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CATALOGUE

OF

ILLINOIS COLLEGE

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UNIVERSITY OF ILLINOIS.

WHIPPLE ACADEMY

SIXTY-FOURTH YEAR

1892-1893

JACKSONVILLE



Dear Sir:

We send you herewith the Catalogue of Illinois College for 1892-3. We desire to call your attention to the revised course of study and to the opportunities which are afforded for special work in addition to class instruction. It is the determination of Illinois College to afford advantages fully equal to those offered by the best institutions of its class at the east, while the expenses are much less.

Will you kindly favor us with the names of young men to whom you would advise that our catalogue be sent?

John E. Bradley,
President.

CATALOGUE
OF
ILLINOIS COLLEGE

AND



THE LIBRARY OF
MAR 24 1931
UNIVERSITY OF ILLINOIS

WHIPPLE ACADEMY

SIXTY-FOURTH YEAR

1892-1893

JACKSONVILLE

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(232½ W. State St.) 3 Duncan Pl.

ENSLEY MOORE, M. A., *Custodian of College Mementos*,
856 W. State St.

FACULTY.

JOHN E. BRADLEY, M. A., PH. D., President.

Professor of Mental and Moral Science. 1252 W. College Ave.

HIRAM K. JONES, M. D., LL. D.

Professor of Philosophy.

505 W. College Ave.

HARVEY W. MILLIGAN, M. A., M. D.

*Professor of History and English Literature,
and Instructor in Political Science.*

149 Caldwell St.

HAROLD W. JOHNSTON, PH. D.

*Professor of the Latin Language and
Literature.*

229 Lockwood Pl.

REV. JOSEPH R. HARKER, M. A.

*Professor of Pedagogy, and Principal of the
Preparatory Department.*

315 Lockwood Pl.

JAMES B. SHAW, M. S.

*Hitchcock Professor of Mathematics and
Astronomy.*

360 W. College Ave.

MILTON E. CHURCHILL, M. A., B. D.

*Collins Professor of the Greek Language and Literature,
and Instructor in Modern Languages.* 1052 W. Lafayette Ave.

Hitchcock Professor of Natural Science.

JOHN M. CLAPP, B. A.

Instructor in Rhetoric and Elocution.

18 C. H.

TRUMAN P. CARTER, M. A., B. S.

Instructor in Natural Science.

872 Grove St.

FREDERICK W. SANFORD, B. S.

Assistant in Preparatory Department.

7 C. H.

JAMES W. PUTNAM.

Director of Physical Training.

402 Sandusky St.

PROFESSOR H. W. MILLIGAN, *Librarian.*

PROFESSOR H. W. JOHNSTON, *Secretary of the Faculty.*

GRADUATE STUDENT.

Arthur Davenport Black, B. S.	Jacksonville.
340 East State Street.	

SENIORS.

Samuel Watson Beggs, C.	Ashland.
344 West College Avenue.	
Murrey Kerr Martin, C.	Jacksonville.
17 Crampton Hall.	
Utten Ellis Read, C.	Jacksonville.
222 Sandusky Street.	
William Henry Stevenson, C.	Jacksonville.
Mound Road.	

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JUNIORS.

Edward George Baldwin, C.	Mendon.
14 Crampton Hall.	
John Andrew Barber, P.	Cantrall.
9 Crampton Hall.	
Fred Scott Brown, C.	Divernon.
8 Crampton Hall.	
James Marquis Duer, S.	Jacksonville.
1203 West State Street.	
Daniel Waddell Frackelton, P.	Petersburg.
4 Crampton Hall.	
Thomas Edward Laurie, S.	Jacksonville.
Charles Francis Wemple, S.	Waverly.
19 Crampton Hall.	

—7

SOPHOMORES.

Thomas Henry Buckthorpe, P. 813 South East Street.	Jacksonville.
Willard Hays Garrett, S. 17 Crampton Hall.	Mendon.
George Wood Govert, C. 717 College Street.	Quincy.
Nelson Homer Greene, P. 4 Crampton Hall.	Tallula.
Eo Briggs Nash, C. 233 Prospect Street.	Jacksonville.
James William Putnam, S. 402 Sandusky Street.	Hersman.
William Ransdell, P. 821 South Main Street.	Jacksonville.
Henry Watson Ruffner, C. 233 Prospect Street.	Buffalo, N. Y.
Thomas Jay Simons, C. 9 Crampton Hall.	Virden.
Walter Peebles Turner, S. 1053 West College Avenue.	Carrollton.
Joseph William Walton, C. 710 West North Street.	Jacksonville.
Orrin Anthony Wemple, S. 10 Crampton Hall.	Waverly.

FRESHMEN.

Rupert Frank Asplund, C.

316 South East Street.

Little Indian.

Horace Hubert Bancroft, C.

623 West State Street.

Jacksonville.

Newton Kent Barber, C.

1120 West College Avenue.

Humboldt, Kas.

James Edward Calhoun, S.

145 Pine Street.

Jerseyville.

Edward Wyatt Cannady, S.

28 Crampton Hall.

Mascoutah.

James Edward Clifford, P.

21 Crampton Hall.

Virginia.

Albin Charles DeMary, P.

23 Crampton Hall.

Jacksonville.

Elmer Moses Eckard, S.

322 West College Avenue.

Topeka.

Rolin Orlando Everhart, P.

643 South Hardin Avenue.

Jacksonville.

Arthur Boyce Fairbank, P.

23 Crampton Hall.

Waverly.

Warren Gilmer, S.

3 Crampton Hall.

Quincy.

Roy Marcus Hitch, S.

1120 West College Avenue.

Griggsville.

Henry Norbury Kuechler, S.

202 North Prairie Street.

Jacksonville.

Paul Levering, S.

1120 West College Avenue.

Petersburg.

George Kennedy McWhirter, S.

1042 Grove Street.

Iowa Falls, Ia.

Homer Francis Moore, C.	Jacksonville.
208 West College Avenue.	
Irving Newcomer, S.	Petersburg.
1120 West College Avenue.	
William Paterson, P.	Jacksonville.
1039 West College Avenue.	
Cornelius Bernard Rourke, S.	Waverly.
20 Crampton Hall.	
Elmer Ellsworth Wells, S.	Franklin.
402 Sandusky Street.	
William Lewis Wells, C.	Franklin.
402 Sandusky Street.	
Thornton Ransdell Wheeler, S.	Auburn.
1025 West College Avenue.	
Albert Louis Wood, S.	Springfield.
363 West Morgan Street.	
Arthur Hallam Woods, S.	Jacksonville.
322 Caldwell Street.	

WHIPPLE ACADEMY.

INSTRUCTORS.

REV. JOSEPH R. HARKER, M. A., Principal
Greek and Latin.

HARVEY W. MILLIGAN, M. A., M. D.
History.

HAROLD W. JOHNSTON, Ph. D.
Latin.

MILTON E. CHURCHILL, M. A., B. D.
Greek and German.

JAMES B. SHAW, JR., M. S.
Mathematics and Physics.

JOHN M. CLAPP, B. A.
Rhetoric and Elocution.

TRUMAN P. CARTER, M. A., B. S.
Natural Sciences.

FREDERIC W. SANFORD, B. S.
English Branches.

JAMES W. PUTNAM.
Physical Training.

WHIPPLE ACADEMY.

STUDENTS.

Senior Year.

George Edwin Baxter	Griggsville.
Samuel Wallace Baxter	Jacksonville.
Charles Otis Boston	Jacksonville.
Edwin Gallaher Bradley	Jacksonville.
Edward Regnier Branson	Petersburg.
Russell Jay Burley	Elsberry, Mo.
Nathan Corson	Ashland.
Byron Clary Darling	Topeka.
Paul Mason Dowdall	Quincy.
Edward Rumsey Elliott	Jacksonville.
Clarence Eldred Fairbank	Jacksonville.
Frederick Joy Fairbank	Jacksonville.
John James Gardner	Springfield.
Charles Gridley	Virginia.
Harry Hodges Griswold	White Hall.
Nevel Edward Harris	Jacksonville.
Clyde Lamont Hay	Jacksonville.
Charles Albert Johnson	Jacksonville.

Edward Clinton Kreider	Jacksonville.
Leim Dirickson Laning	Petersburg.
Charles Edward Lenington	Jacksonville.
Emmett William McBratney	Griggsville.
Edward McDonald	Virginia.
Merle McFarland	Jacksonville.
Brown Ervin McIlvaine	Tuscola.
Laurance Edwards Milligan	Jacksonville.
William Emmett Moore	Quincy.
Herbert Young Parrott	Jacksonville.
Frank Godfrey Phillips	Gossett.
John Goodspeed Pratt	Jacksonville.
David Elmer Read	Jacksonville.
Lucien Smith	Chapin.
Thomas Walter Smith	Carlyle.
Andrew Struble	Newmansville.
Edgar Howard Sturtevant	Jacksonville.
Woodard Silas Terry	Jacksonville.
Isaac Funk Tomlin	Pleasant Plains.
Walter Orville VerBryck	Topeka.
William Winston Wharton	Jacksonville.
Charles David Williamson	Petersburg.
James William Wright	Philadelphia.

Middle Year.

William Richard Blackburn	Jacksonville.
Edward Bowe	Denver, Colo.
Guy Griggsby Dowdall	Quincy.
William Turpin Dowdall	Quincy.
Myron Leslie Epler	Virginia.
Albert Henry Flagge	Lynnville.
Edward Henry Fulton	Jacksonville.
Michael Huffaker Grassley	Jacksonville.
Eugene Edward Hinrichsen	Springfield.
Harry Nathaniel Kirby	Jacksonville.
James Cheseldine Lathrop	Winchester.
William Kinkead Long	Jacksonville.
Charles McDonnell	Virginia.
William Walter Moore	Jacksonville.
Willard Holbrook Palmer	Jacksonville
Fred Orrin Philbrook	Forrest.
Frederic Chauncey Tanner	Jacksonville
Earl Vogel	Jacksonville
Joseph Edgar Wharton	Jacksonville

Junior Year.

Elisha Brown Adams, Jr.	Jacksonville
Arthur Travis Brittin	Cantrall.
Herbert Joseph Capps	Jacksonville.
Howard Turner Carriel	Jacksonville.
Manford Ernest Clayton	Glenarm.
Edgar Russell Criswell	Waverly.
John Stewart Dobyns	Jacksonville.
Ira Drennan	Glenarm.
William Percy Duncan	Jacksonville.
Frank Rumsey Elliott	Jacksonville.
Harry Newton Frizzell	Rushville.
Ernest William Green	Jacksonville.
Frank Grimsley	Greenview.
Strahley Jay Hallowell	Jacksonville.
William Thomas Ham	Jacksonville.
Alfred Loran Hamilton	Waverly.
William Hannon	Jacksonville.
Joseph Wesley Hardin	Sweetwater.
Elmer Eugene Hart	Sinclair.
Charles Andrew Hunter	Exeter.
Robert Carroll Kennedy	Jacksonville.
Charles Aquila King	Jacksonville.
John Louis Martin	Salem.
Joseph Allen McDaniel	Buffalo.

Bethune Nisbet	Virginia.
Henry Oakes	Bluffs.
Harrison Wallace Petefish	Literberry.
Luther Johnson Poffenbarger	Jacksonville.
Albert Hurd Rankin	Jacksonville.
Carl Waldo Richardson	Jacksonville.
Richard John Robertson	Virginia.
Robert Schaad	Chandlerville.
William John Schaad	Chandlerville.
Henry Milton Stewart	Jacksonville.
Frank Luther Tompkins, Jr.	Jacksonville.
Lee Franklin Webster	Salem.
Orrin Burt Wells	Franklin.
Joseph Hutton Wollaston	Baylis.
Clarence Henry Woods	Jacksonville.

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English Year.

William Brown Burr	Jacksonville.
Lucas Pfeiffenberger Caldwell	East St. Louis.
George Maxwell Chambers	Jacksonville.
Robert Kelly DeFreitas	Jacksonville.
Arthur Shirley Doane	Jacksonville.
Henry Dickerman Dobyns	Jacksonville.
William Kent Elliott	Jacksonville.
William Herbert Ginder	Arenzville.
Malcolm Edward Greenleaf	Jacksonville.
George Washington Hoagland	Jacksonville.

George Franklin Hubbs	Waverly.
Elmer Ellsworth Johnson	Arcadia.
Archie Leroy Jordan	Jacksonville.
Allen King	Jacksonville.
Julius George Kirby	Jacksonville.
Harry Elmore Kitner	Jacksonville.
Walter Leslie Leach	Jacksonville.
William Claude Lurton	Jacksonville.
Robert Dayton Mawson	Jacksonville.
Alexander Allen McDonald	Jacksonville.
Charles Kane Moore	Jacksonville.
Levi Pearson	Jacksonville.
William Lang Rogerson	Jacksonville.
Edward Rosenstiel Stevenson	Jacksonville.
Harry Alfred Stribling	Ashland.
Claude Ernest Stringam	Jacksonville.
George Kelly Whittlesey	Lafayette, Ind
William Guthrie Young	Jacksonville.

SUMMARY.

ILLINOIS COLLEGE.

GRADUATE STUDENT,	-	-	-	-	-	-	1
SENIOR CLASS,	-	-	-	-	-	-	4
JUNIOR CLASS,	-	-	-	-	-	-	7
SOPHOMORE CLASS,	-	-	-	-	-	-	12
FRESHMAN CLASS,	-	-	-	-	-	-	24
							48

WHIPPLE ACADEMY.

SENIOR YEAR,	-	-	-	-	-	-	41
MIDDLE YEAR,	-	-	-	-	-	-	19
JUNIOR YEAR,	-	-	-	-	-	-	39
ENGLISH YEAR,	-	-	-	-	-	-	28
							127
TOTAL,	-	-	-	-	-	-	170

Requirements for Admission.

Four different courses of study are pursued in this College: The Classical Course, the Philosophical Course, the Scientific Course, and the Agricultural Course.

Candidates for admission to these courses are examined in the following subjects:

FOR ALL COURSES:

- ENGLISH.....1. ENGLISH GRAMMAR and COMPOSITION. The examination in English Composition consists in the writing of a short essay on a subject announced at the examination, and taken from one of the works prescribed below.* 2. GEOGRAPHY. 3. HISTORY AND CONSTITUTION OF THE UNITED STATES. 4. HISTORY OF THE EASTERN NATIONS, GREECE, AND ROME. 5. ELEMENTARY BOTANY.
- MATHEMATICS ARITHMETIC, including square and cube roots, and the metric system. ALGEBRA, through quadratic equations. GEOMETRY, plane, five books.

In addition to these subjects, candidates for admission to the several courses are examined in special subjects, as follows:

FOR THE CLASSICAL COURSE:

- LATIN GRAMMAR, including Prosody (Allen and Greenough). CÆSAR, four books. CICERO, eight orations; VERGIL, four thousand lines. COMPOSITION, (Riggs or Daniell). ROMAN ANTIQUITIES, Tighe, Wilkins.
- GREEK.....GRAMMAR, including Prosody (Goodwin or Allen-Hadley). XENOPHON'S ANABASIS, four books; or the first 111 pages of Goodwin's Greek Reader. HOMER'S ILIAD, three books. COMPOSITION (Jones entire). CLASSICAL GEOGRAPHY.

*For 1893, Shakespeare's Julius Cæsar and Twelfth Night; Scott's Marmion; Longfellow's Courtship of Miles Standish; Addison's Sir Roger de Coverly Papers; Macaulay's second Essay on the Earl of Chatham; Emerson's American Scholar; Irving's Sketch Book; Scott's Ivanhoe; Dickens' David Copperfield.

For 1894, Shakespeare's Julius Cæsar and Merchant of Venice; Scott's Lady of the Lake; Arnold's Sohrab and Rustum; the Sir Roger de Coverly Papers in the Spectator; Macaulay's second Essay on the Earl of Chatham; Emerson's American Scholar; Irving's Sketch Book; Scott's Abbot; Dickens' David Copperfield.

FOR THE PHILOSOPHICAL COURSES:

LATIN..... GRAMMAR, including Prosody (Allen and Greenough).
CÆSAR, four books. CICERO, eight orations. VERGIL, four
thousand lines. COMPOSITION (Riggs or Daniell). ROMAN
ANTIQUITIES, Tighe, Wilkins.

NATURAL SCIENCE.. ELEMENTARY ZOOLOGY, PHYSIOLOGY and PHYSICS.

GERMAN..... The reading at sight of easy German prose.

FOR THE SCIENTIFIC AND AGRICULTURAL COURSES:

NATURAL SCIENCE.. BOTANY, equivalent to Gray's School and Field Book, in-
cluding the analysis of at least fifty plants; ELEMEN-
TARY ZOOLOGY, equivalent to Packard's Brief Course;
PHYSIOLOGY, equivalent to Walker's; PHYSICS, equiva-
lent to Chute's.

LANGUAGE..... One year of Latin or German, or satisfactory equivalents.

Real equivalents will always be accepted and candidates for admission are invited to correspond in advance of the examinations with the Professors in whose departments are found the subjects for which they desire to offer substitutes.

The examinations for admission to College will occur on Tuesday and Wednesday, September 12th and 13th, 1893, and will be arranged as follows:

Tuesday, 9 A. M..... English Branches.

Tuesday, 2 P. M..... Natural Sciences.

Wednesday, 9 A. M..... Latin and German.

Wednesday, 2 P. M..... Greek and Mathematics.

Persons intending to take these examinations are reminded of the necessity of carefully observing the above programme. They are also urged to make special preparation in order to insure success, as a general knowledge of the subjects indicated will not be sufficient.

Attention is called to the Scholarship Prizes for best entrance examinations, which are described hereafter under the head of Prizes.

Testimonials of good moral character may be required whenever the faculty think it necessary. Students from other colleges are always required to produce certificates of honorable dismissal.

COURSES OF INSTRUCTION.

The courses of instruction form a system of required and elective study. The studies of the Freshman Year are all required. In the Sophomore Year the required studies occupy five hours each week, in the Junior Year six hours, and in the Senior Year five hours, leaving ten hours of elective work in each of these classes. The required studies of the Freshman Year are selected for their disciplinary value, in order that students may the more profitably pursue, in subsequent years, whatever they may select. The required studies of the Sophomore, Junior, and Senior Years are restricted to English, History, and Philosophy, the pursuit of which is deemed necessary for all students who are to be recommended for a collegiate degree. The elective studies offer the student a large number of subjects, and are so placed in the curriculum that freedom of choice is allowed within the necessary limitations of the schedule of recitations.

Courses of Instruction Arranged According to the Four Collegiate Years:

FRESHMAN YEAR.

CLASSICAL COURSE.

FALL TERM.

1. *Greek.* The Odyssey. Greek Mythology. 5 hours.
2. *Latin.* Cato Maior and Laelius. Latin Composition. 5 hours.
3. *Mathematics.* Solid Geometry and Trigonometry. 5 hours.
4. *Elocution.* 1 hour.
5. *English Bible.* (Optional.) 1 hour.

WINTER TERM.

1. *Greek.* Herodotus. Greek Composition. 5 hours.
2. *Latin.* Livy. Latin Composition. 5 hours.
3. *Mathematics.* Trigonometry and Conic Sections. 5 hours.
4. *Elocution.* 1 hour.
5. *English Bible.* (Optional.) 1 hour.
6. *Pedagogy.* (Optional.) 1 hour.

SPRING TERM.

1. *Greek.* Plato: Apology and Crito. Xenophon's Memorabilia. 5 hours.
2. *Latin.* The Odes of Horace. Latin Composition. 5 hours.
3. *Rhetoric.* 5 hours.
4. *Pedagogy.* (Optional.) 1 hour.

FRESHMAN YEAR.

PHILOSOPHICAL COURSE.

FALL TERM.

- | | | | |
|----|---------------------------------------|---------------------------------------|----------|
| 1. | <i>Latin.</i> Cato Maior and Laelius. | Latin Com-
position. | 5 hours. |
| 2. | <i>German.</i> Schiller. | Gore's Science Reader. | 5 hours. |
| 3. | <i>Mathematics.</i> | Solid Geometry and Trigonom-
etry. | 5 hours. |
| 4. | <i>Elocution.</i> | | 1 hour. |
| 5. | <i>English Bible.</i> | (Optional.) | 1 hour. |

WINTER TERM.

- | | | | |
|----|-------------------------|---------------------------------------|----------|
| 1. | <i>Latin.</i> Livy. | Latin Composition. | 5 hours. |
| 2. | <i>German.</i> Freytag. | Storm. German Lyrics. | 5 hours. |
| 3. | <i>Mathematics.</i> | Trigonometry and Conic Sec-
tions. | 5 hours. |
| 4. | <i>Elocution.</i> | | 1 hour. |
| 5. | <i>English Bible.</i> | (Optional.) | 1 hour. |
| 6. | <i>Pedagogy.</i> | (Optional.) | 1 hour. |

SPRING TERM.

- | | | | |
|----|-----------------------------------|-------------------------|----------|
| 1. | <i>Latin.</i> The Odes of Horace. | Latin Com-
position. | 5 hours. |
| 2. | <i>German.</i> Goethe. | Benedix. | 5 hours. |
| 3. | <i>Rhetoric.</i> | | 5 hours. |
| 4. | <i>Pedagogy.</i> | (Optional.) | 1 hour. |

FRESHMAN YEAR.

SCIENTIFIC AND AGRICULTURAL COURSES.

FALL TERM.

- | | | |
|----|--|----------|
| 1. | <i>Mathematics.</i> Solid Geometry and Trigonometry. | 5 hours. |
| 2. | <i>Biology.</i> | 5 hours. |
| 3. | <i>Chemistry.</i> General and Theoretical. | 5 hours. |
| 4. | <i>Elocution.</i> | 1 hour. |
| 5. | <i>English Bible.</i> (Optional.) | 1 hour. |

WINTER TERM.

- | | | |
|----|--|----------|
| 1. | <i>Mathematics.</i> Trigonometry and Conic Sections. | 5 hours. |
| 2. | <i>Biology.</i> | 5 hours. |
| 3. | <i>Chemistry.</i> General and Theoretical. | 5 hours. |
| 4. | <i>Elocution.</i> | 1 hour. |
| 5. | <i>English Bible.</i> (Optional.) | 1 hour. |
| 6. | <i>Pedagogy.</i> (Optional.) | 1 hour. |

SPRING TERM.

- | | | |
|----|---|----------|
| 1. | <i>Rhetoric.</i> | 5 hours. |
| 2. | <i>Biology.</i> | 5 hours. |
| 3. | <i>Chemistry.</i> Qualitative Analysis. | 5 hours. |
| 4. | <i>Pedagogy.</i> (Optional.) | 1 hour. |

SOPHOMORE YEAR.

ALL COURSES.

FALL TERM.

Required.

- | | | |
|----|------------------|----------|
| 1. | <i>Rhetoric.</i> | 5 hours. |
|----|------------------|----------|

Elective. (Student to take 10 hours.)

- | | | |
|-----|--|----------|
| 1. | <i>Greek.</i> | 3 hours. |
| 2. | <i>Latin.</i> | 3 hours. |
| 3. | <i>Mathematics:</i> Drawing. | 1 hour. |
| | Higher Mathematics. | 3 hours. |
| 4. | <i>German.</i> Lessing. | 2 hours. |
| 5. | <i>French.</i> Grammar and Reader. | 3 hours. |
| 6. | <i>Zoology.</i> General Morphology of Animals. | 5 hours. |
| 7. | <i>Geology.</i> Economic. | 3 hours. |
| 8. | <i>Physiography.</i> | 1 hour. |
| 9. | <i>Chemistry.</i> Quantitative Analysis. | 5 hours. |
| 10. | <i>English Bible.</i> | 1 hour. |
| 11. | <i>Botany.</i> General Morphology of Plants. | 5 hours. |

SOPHOMORE YEAR.

ALL COURSES.

WINTER TERM.

Required.

- | | | |
|----|------------------|----------|
| 1. | <i>Rhetoric.</i> | 5 hours. |
|----|------------------|----------|

Elective. (Student to take 10 hours.)

- | | | |
|-----|--|----------|
| 1. | <i>Greek.</i> | 3 hours. |
| 2. | <i>Latin.</i> | 3 hours. |
| 3. | <i>Mathematics:</i> Drawing. | 1 hour. |
| | Higher Mathematics. | 3 hours. |
| 4. | <i>German.</i> Goethe. | 2 hours. |
| 5. | <i>French.</i> | 3 hours. |
| 6. | <i>Zoology.</i> General Morphology of Animals. | 5 hours. |
| 7. | <i>Geology.</i> Economic. | 3 hours. |
| 8. | <i>Physiography.</i> | 1 hour. |
| 9. | <i>Chemistry.</i> Quantitative Analysis. | 5 hours. |
| 10. | <i>English Bible.</i> | 1 hour. |
| 11. | <i>Botany.</i> General Morphology of Plants. | 5 hours. |
| 12. | <i>Pedagogy.</i> | 1 hour. |

SOPHOMORE YEAR.

ALL COURSES.

SPRING TERM.

Required.

- | | | |
|----|-----------------|----------|
| 1. | <i>History.</i> | 5 hours. |
|----|-----------------|----------|

Elective (Student to take 10 hours).

- | | | |
|-----|--|----------|
| 1. | <i>Greek.</i> | 3 hours. |
| 2. | <i>Latin.</i> | 3 hours. |
| 3. | <i>Mathematics:</i> Drawing. | 1 hour. |
| | Higher Mathematics. | 3 hours. |
| 4. | <i>German.</i> German Literature. | 2 hours. |
| 5. | <i>French.</i> | 3 hours. |
| 6. | <i>Zoology.</i> General Morphology of Animals. | 5 hours. |
| 7. | <i>Geology.</i> Economic. | 3 hours. |
| 8. | <i>Physiography.</i> | 1 hour. |
| 9. | <i>Chemistry.</i> Quantitative Analysis. | 5 hours. |
| 10. | <i>Botany.</i> General Morphology of Plants. | 5 hours. |
| 11. | <i>Pedagogy.</i> | 1 hour. |

JUNIOR YEAR.

ALL COURSES.

FALL TERM.

Required.

- | | | |
|----|-------------------------|----------|
| 1. | <i>English History.</i> | 5 hours. |
| 2. | <i>Oratory.</i> | 1 hour. |

Elective (Student to take 10 hours).

- | | | |
|-----|---|----------|
| 1. | <div style="display: flex; justify-content: space-between; align-items: center;"> <i>Greek.</i> 2 hours. </div> | 2 hours. |
| 2. | <i>Latin.</i> | 2 hours. |
| 3. | <div style="display: flex; justify-content: space-between; align-items: center;"> <i>Mathematics:</i> <div style="text-align: center;"> <div>Surveying.</div> <div>Higher Mathematics.</div> </div> </div> | 2 hours. |
| 4. | <i>Physics.</i> | 3 hours. |
| 5. | <i>Botany.</i> Economic. | 5 hours. |
| 6. | <i>Embryology.</i> Botanical. | 2 hours. |
| 7. | <i>Physiology.</i> | 1 hour. |
| 8. | <i>Geology.</i> | 2 hours. |
| 9. | <i>Chemistry.</i> | 3 hours. |
| 10. | <i>English Bible.</i> | 5 hours. |
| 11. | <i>English.</i> | 1 hour. |
| | | 5 hours. |

JUNIOR YEAR.

ALL COURSES.

WINTER TERM.

Required.

- | | | |
|----|----------------------------|----------|
| 1. | <i>English Literature.</i> | 5 hours. |
| 2. | <i>Oratory.</i> | 1 hour. |

Elective (Student to take 10 hours).

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|-----|--------------------------------|----------|
| 1. | <i>Greek.</i> | 2 hours. |
| 2. | <i>Latin.</i> | 2 hours. |
| 3. | <i>Mathematics: Surveying.</i> | 2 hours. |
| | Higher Mathematics. | 3 hours. |
| 4. | <i>Physics.</i> | 5 hours. |
| 5. | <i>Botany. Economic.</i> | 2 hours. |
| 6. | <i>Embryology. Botanical.</i> | 1 hour. |
| 7. | <i>Physiology.</i> | 2 hours. |
| 8. | <i>Geology.</i> | 3 hours. |
| 9. | <i>Chemistry.</i> | 5 hours. |
| 10. | <i>English Bible.</i> | 1 hour. |
| 11. | <i>Pedagogy.</i> | 1 hour. |
| 12. | <i>English.</i> | 5 hours. |

JUNIOR YEAR.

ALL COURSES.

SPRING TERM.

		Required.	
1.	<i>English Literature.</i>		5 hours.
		Elective (Student to take 10 hours).	
1.	<i>Greek.</i>		2 hours.
2.	<i>Latin.</i>		2 hours.
3.	<i>Mathematics:</i>	Surveying.	2 hours.
		Higher Mathematics.	3 hours.
4.	<i>Physics.</i>		5 hours.
5.	<i>Botany.</i>	Economic.	2 hours.
6.	<i>Embryology.</i>	Botanical.	1 hour.
7.	<i>Geology.</i>		3 hours.
8.	<i>Chemistry.</i>		5 hours.
9.	<i>Christian Evidences.</i>		3 hours.
10.	<i>Pedagogy.</i>		1 hour.

SENIOR YEAR.

ALL COURSES.

FALL TERM.

Required.

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|-----------------------|----------|
| 1. <i>Philosophy.</i> | 5 hours. |
|-----------------------|----------|

Elective (Student to take 10 hours).

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|--------------------------------|----------|
| 1. <i>Latin.</i> | 2 hours. |
| 2. <i>Higher Mathematics.</i> | 5 hours. |
| 3. <i>Logic.</i> | 3 hours. |
| 4. <i>Physics.</i> | 2 hours. |
| 5. <i>English.</i> | 5 hours. |
| 6. <i>Physiology.</i> | 2 hours. |
| 7. <i>Entomology.</i> Economic | 2 hours. |
| 8. <i>History.</i> | 3 hours. |
| 9. <i>Political Science.</i> | 5 hours. |
| 10. <i>English Bible.</i> | 1 hour. |

SENIOR YEAR.

ALL COURSES.

WINTER TERM.

Required.

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|----|--------------------|----------|
| 1. | <i>Philosophy.</i> | 5 hours. |
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Elective (Students to take 10 hours).

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|-----|------------------------------|----------|
| 1. | <i>Latin.</i> | 2 hours. |
| 2. | <i>Higher Mathematics.</i> | 5 hours. |
| 3. | <i>Astronomy.</i> | 2 hours. |
| 4. | <i>Physics.</i> | 2 hours. |
| 5. | <i>English.</i> | 5 hours. |
| 6. | <i>Physiology.</i> | 2 hours. |
| 7. | <i>Entomology.</i> Economic. | 2 hours. |
| 8. | <i>Literature.</i> | 3 hours. |
| 9. | <i>Political Science.</i> | 5 hours. |
| 10. | <i>English Bible.</i> | 1 hour. |
| 11. | <i>Pedagogy.</i> | 1 hour. |

SENIOR YEAR.

ALL COURSES.

SPRING TERM.

Required.

- | | | |
|----|--------------------|----------|
| 1. | <i>Philosophy.</i> | 5 hours. |
|----|--------------------|----------|

Elective (Student to take 10 hours).

- | | | |
|----|------------------------------|----------|
| 1. | <i>Latin.</i> | 2 hours. |
| 2. | <i>Higher Mathematics.</i> | 5 hours. |
| 3. | <i>Astronomy.</i> | 2 hours. |
| 4. | <i>Physics.</i> | 2 hours. |
| 5. | <i>English.</i> | 5 hours. |
| 6. | <i>Entomology.</i> Economic. | 2 hours. |
| 7. | <i>Literature.</i> | 2 hours. |
| 8. | <i>Christian Evidences.</i> | 3 hours. |
| 9. | <i>Pedagogy.</i> | 1 hour. |

DEPARTMENTS OF INSTRUCTION.

PSYCHOLOGY, ETHICS AND PHILOSOPHY.

The study of Philosophy should begin with the elements of Psychology. The aim is to secure both comprehensive-ness and thoroughness. No substantial progress can be made without first carefully considering the mental subject and its functions. The instruction will begin with an investigation of the various forms of mental phenomena.

1. *Psychology*. Mind will be studied in connection with the nervous system and its functions. As far as practicable experimental methods will be employed, but the constant appeal will be to consciousness. Although the course will be taught by the use of a text-book, considerable time will be taken, from the first, in oral instruction. The views of different authors will be compared and criticised. Among the topics considered will be: The Relations of the Soul to Matter; Consciousness, its varieties and products; Classes of Sense-Perceptions; Representation, its nature and forms; Thought and thought-knowledge, the nature of the concept and its formation; Intuition and the relations of intuitive knowledge. Required course, Senior year. Five hours a week.

In *Logic* the forms of thought and the different modes of reasoning will be considered.

Ethics. The nature and grounds of obligation will be considered; Functions of Conscience; Moral Judgment; Relation of the Will of God to Moral Judgment; the Will

of God, how made known; Government; Rights and Duties and their correlation,—Love the substance of both; Duties to God; Duties to Man; Relations of the sexes; Civil Society with its rights and obligations; Rights—Life, Liberty, Reputation, Property; Duties—Self-culture, Fidelity, Veracity. Required course, Senior year, following the Psychology. Five hours a week.

Theism. The Personality of God and Man; Arguments for the Being of God; Anti-Theistic Theories; Pantheism, Positivism, Materialism, Agnosticism.

Evidences of Christianity. Prophecy; Miracles; Character of Christ; Nature of His Doctrines; Character of the Apostles; The Credibility of the Witnesses; The Spread and Effects of the System; Contrast with other Religions; Settlement of the Canon; Harmony with Modern Science.

PHILOSOPHY.

Philosophy investigates essential natures and first principles and causes. Hence the philosophic exercises of the mind are characteristically conversant about Real Being. Being is that which truly is and exists. And, therefore, Being is that which underlies and effects all the phenomena of the visible world.

Philosophy affirms Being to be a subject of immediate and verifiable human knowledge; that Being is the source and cause of all apparent life and motion and form in visible Nature, and a subject equally and truly as knowable as its phenomena.

The method of Philosophy is psychologic.

(1.). The psychologic and philosophic ground of all knowledge is found in the constitution of the Soul.

(2.) Man is related through and by means of consciousness to Matter and Mind and Deity. Hence man is capable of knowledge in each of these subjects.

(3.) The Doctrine of Consciousness—it is the ground and condition of all knowledge whatever.

(4.) The scientific and philosophic principles of the Soul in which it is related to Material nature, to Mind, and to Deity.

(5.) The scientific and philosophic proofs of the doctrine of the Immortality of the Soul.

(6.) The microcosmic constitution of man as the ground of the universal range of his capabilities of knowledge.

(7.) Nature—The differentiation of Mind and Matter, considered apart, and in relation. The life principle is the active element, and the material principle is the passive and instrumental element; and a certain orderly conjunction of the vital with the material element is the fact of organization.

(8.) The Philosophy of Conscience, of Faith, of Knowledge, and of Law, as topics illustrative of the principles and the argument. The limit of this notice necessarily precludes intelligible outlines.

From this point of view of Real Being, essentially and relatively identified, the course in Philosophy is intended to exercise the mind in the analytic and contemplative speculation and review of the Sciences, Physical, Metaphysical, and Theistic, and in the philosophic comprehension of all the sciences as they unite in a manifest and knowable First Cause.

The course will consist, for the present, of about thirty-five lectures, to be delivered to the Senior class during the several terms of the Senior year. Required course.

HISTORY, LITERATURE AND ECONOMICS.

History enables the student to appropriate the wisdom and the experience of preceding ages. The aim of the instruction in this department is first to furnish the gen-

eral information that is necessary for intelligent citizenship and the demands of social life, and second to give such training as will be valuable to students who are looking forward to the profession of Law or of Journalism. In History the courses offer in connection with the Preparatory courses a somewhat comprehensive study of events from the beginning of Greek civilization down to the present time. As far as practicable the work is intended to be continuous.

In Literature we trace the growth and structure of language and the causes of variation. English Literature is studied in its historic evolution. The aim is to teach a student how to study the best productions of the best authors and to acquaint him with the resources of English Literature and the phases of history and social life which it illustrates. It is considered important that students should attain to a sympathetic appreciation of the literature itself rather than devote their time and study to incidental and extrinsic features.

Political science is studied not only in its abstract relations, but as connected with sociology and ethics.

In production, the student's attention is directed to its factors—the forces of nature, capital and labor. The distribution of the product, and the laws which regulate this distribution are then considered. Following distribution comes exchange. Should it be free or taxed; and, if taxed, for what purpose, and to what extent? Consumption, both productive and destructive, with charities, subsidies, free education, and public works, receive due attention. The laws of God which apply to society, of which our Federal Constitution is the best statement, are then taken up and considered. The origin and history of the Constitution; its amendments; its development by legislation, and by judicial decisions, and its adaptability to all future needs are thoroughly impressed upon the student.

THE LATIN LANGUAGE AND LITERATURE.

The work in Latin is intended to give to the student a thorough knowledge of the structure of the language and such an acquaintance with Roman history, antiquities and literature as will lead to a correct idea of the influence of Roman life and thought upon our own civilization. The work is partly required and partly elective. The required work includes five recitations weekly for one year. In addition to this the student may elect the equivalent of seven hours weekly for a second year. The college library and that of the instructor contain the best critical editions, commentaries, monographs and works of reference. Students who have completed the course have taken high rank in the universities, and have made successful teachers.

THE REQUIRED WORK:—The attention of the student in the required work of the Freshman year (see pages 20 and 21) is directed chiefly to the structure of the Latin sentence and the subject of Latin style, as illustrated in the portions of Cicero, Livy and Horace read in the class room, and as developed by weekly exercises in Latin composition, and by constant practice in reading at sight and in the order of the original. The text books used in this course in the year 1893-94 will be Kelsey's Cicero's Cato Maior and Laelius, Greenough's Livy I. and II., Page's Horace, Simpson's Cæsarian Prose, Allen & Greenough's grammar and Lewis' dictionary.

THE ELECTIVE WORK:—In the elective work the study of Roman Literature is made prominent. Selections are read from a wide range of authors from Plautus to Suetonius. Topics for special study are assigned and lectures given from time to time by the instructor. For the year 1893-94 the following courses are offered:

1. Half course, Latin Comedy: The Trinummus of Plautus and Phormio of Terence. Three hours weekly

through the first half year; open to any who have taken the required work.

2. Half course, Latin Philosophy: Selections from Lucretius, Cicero's *De Officiis*, and Seneca. Three hours weekly through the second half year, the complement of course 1.

3. Half course, Latin History: Selections from Cæsar, Nepos, Sallust, Tacitus, Suetonius. The Development of Historical Composition. Two hours weekly through the first half year; open to Juniors and Seniors.

4. Half course, Latin Satire. Selections from Horace, Juvenal and Persius. Two hours weekly through the second half year, the complement of course 3.

5. Half course, Epistolary Latin: Selections from the correspondence of Cicero, Pliny and Seneca. Two hours weekly through the first half year; open to Sophomores, Juniors and Seniors.

6. Half course, the less known poets: Selections from Catullus, Ovid and Martial. Two hours weekly through the second half year, the complement of course 5.

PEDAGOGY.

The aim of the course in Pedagogy is to give the student a knowledge of the history of education, of the lives and methods of noted educators, of mental processes and the laws relating to mental growth and the development of mental power, and to assist in the formation of just opinions on theories and methods of teaching and of school management. Compayre's *History of Pedagogy* and Compayre's *Lectures on Teaching* will be used as text books, and these books will be supplemented by lectures, by suggested collateral reading, and by class discussions of methods of teaching and systems of education.

The course is one hour a week through the second and third terms, and is open to all students of the college.

ENGLISH BIBLE.

A systematic course of study in the English Bible is offered each year; open to all students of the college. The purpose contemplated is to give a good general knowledge of the character and contents of the Scriptures, using the Bible as the text book, and supplementing it by lectures and suggested collateral reading. The course is one hour a week through the first and second terms, and will be continued progressively from year to year, so as to give a complete study of both the Old and the New Testament in the four collegiate years.

Course 1. From the Creation to the Division of the Jewish Kingdom.

Course 2. From the Division of the Jewish Kingdom to the Birth of Christ.

Course 3. The Life of Christ, and the Establishment of the Christian Church.

Course 4. The Books of the Old and New Testaments.

Course 1 will be given in 1893-94.

MATHEMATICS.

The instruction offered by this department is designed primarily to give an understanding of and ability to use mathematics. With this end in view we divide the subject conveniently into abstract and concrete mathematics. The former includes algebra and geometry. Algebra is considered in four phases thus laying a broad foundation for the graduate work. Geometry is considered in three phases. Concrete mathematics includes Physics, Astronomy, and Surveying.

The methods of teaching lead the pupil to think *in* the subject, and not about it. All artificial work is condemned, and skill and incisiveness are at a premium. Great reliance is put on the *intuitive* power, or ability to see *through* a

problem, and little upon mere formula-using. The subject is presented from modern standpoints and so far as possible as an organic unity.

The attention of students who desire to take a thorough course in liberal training before entering upon their specialty of *engineering* or *architecture* is called to the following courses: Nos. 1, 2, 3, 4, 6, 8, 11, 13, 14, 15, 16, 17, 18. By electing these courses in mathematics and physics, an excellent foundation will be laid for future work. This selection covers nearly all the mathematics required by the best engineering schools. By properly selecting the work, a liberal training may be so combined with special subjects that the engineering degree may be taken in two years after graduation here.

GRADUATE WORK IN MATHEMATICS.

The following courses may be taken: Theory of Substitutions, Multiple Algebra, Advanced Calculus. Differential Equations, Non-Euclidean Geometry, Mathematical Physics, Spherical and Theoretical Astronomy, Analytic Mechanics, Invariants, History of Mathematics. Correspondence on these subjects is invited. The degree M. S. is conferred after three years of work.

PHYSICAL LABORATORY.

The laboratory is equipped with desks for students, lecture room, sink, water, gas, electricity, workshop, and lantern. The apparatus includes a large quantity of lecture apparatus, and a good supply of instruments for quantitative work in mechanics, heat, light, magnetism, and electricity. The instruments of precision include a Browning spectrometer reading to minutes; diffraction grating by Rowland, separating the E line; micrometer calipers, metric attachments with large microscope; quantitative balance; astatic galvanometer and thermopile; spher-

meter; large polarimeter; sextant and optic circle reading to $7\frac{1}{2}$ seconds; galvanometers of tangent, sine, Helmholtz-Gaugin, Weidemann, vibration mirror, and Dupres-D'Arsonval types; Bunsen ice calorimeters; cathetometer; resistances; Atwood machine; piezometer; government standard barometer; Wollaston goniometer; electromagnet for diamagnetic work; small electric motor; Coulomb balance, and other pieces. New pieces are added yearly and many are constructed, so that the equipment is thoroughly modern and complete. It is the intention to give a thorough course in experimental work such as is required for graduation in any technical school.

SURVEYING EQUIPMENT.

This equipment consists of a first class surveyor's transit by Gurley, a delicate level by Buff and Berger, Philadelphia rod, 100-ft. steel tape, 66-ft. chain, flags, pins, etc. The work is noted in a regular field-book used by engineers, from Keuffel and Esser. All results are plotted. Especial attention is given to taking the instruments to pieces and cleaning them, adjusting them, etc. The field work consists of at least three hours per week throughout the year.

COURSES IN DETAIL.

1. *Solid Geometry*: Lectures. A brief course covering the essentials of the subject. Freshman required course. Fall term.

2. *Theory of Imaginaries*: Oliver, Wait, and Jones, *Trigonometry*. De Moivre's Theorem is made the basis of this work. It consists of a course in text and reference books, including practical solution of problems. Freshman required course, three hours. Fall term.

3. *Analytic Geometry*: Todhunter, *Conic Sections*. A course developing the co-ordinate methods, and setting forth the properties of the lines of first and second degree.

Freshman required course, three hours. Fall and Winter terms.

4. *Projective Geometry: Jones and Hathaway.* A course in modern geometry, presenting the methods and plans of the projective proofs of theorems. It is complementary to course 2. Three hours. (Omitted '93-94).

5. *Differential and Integral Calculus: Byerly.* A course in derivatives, integrals, and applications to continuous functions. The calculus is made practical by applications, especially to geometry and physics. Three hours. Requires courses 1, 2, 3. (Sophomores).

6. *Theory of Quantics: Burnside and Panton, Theory of Equations.* A course in equations, roots, determinants, symmetric functions, seminvariants, invariants, covariants, with applications to binary quantics. Five hours. Requires courses 1, 2, 3, 4, 5. (Sophomores).

7. *Mechanical Drawing: Faunce.* A course in use of instruments, tinting, orthographic projection, shades and shadows, isometric projection, and perspective. Two hours. (Sophomores).

8. *Quaternions: Hardy.* A course developing the principles and methods of the quaternion algebra, applying it to geometry and to physics. Three hours. Requires courses 1, 2, 3. (Juniors).

9. *Surveying: Carhart.* A course applying trigonometry and analytics to problems of plane surveying, levelling, earthwork, and railroad curves, with accompanying field-work. It includes a thorough course in care and adjustment of instruments. Two hours. Requires courses 1, 2, 3. (Juniors).

10. *Advanced Analytics: Salmon.* A course in the modern methods of co-ordinate geometry. It is three-dimensional and is very extensive. Five hours. Requires courses 5, 6. (Seniors).

11. *Modern Higher Algebra: Salmon.* A course following course 6, in invariants and covariants, contravariants, evectants, etc. Five hours. Requires course 6. (Seniors).

12. *Differential Equations: Forsythe.* A course in solutions of derivative equations. Five hours. Requires course 5. (Seniors).

13. *Quaternions: Tait.* A course in applications of the quaternion analysis. This is a thorough study of the methods and lines of the application of the subject. Five hours. Requires courses 8, 14, 15, 16. (Seniors).

14. *Physics: Barker.* A course in descriptive physics accompanied with lecture experiments. It is a general course and not mathematical. Treats the subject from modern standpoints. Three hours. (Juniors.)

15. *Experimental Physics: Whiting.* A course in laboratory work of a quantitative nature covering all divisions of physics; the student is made familiar with physical phenomena, methods of measurement, and methods of reduction of observations. Three hours. Requires courses 1, 2. (Juniors).

16. *Examples in Physics: Jones.* A course in problems. One hour. Requires courses 1, 2. (Juniors).

17. *General Astronomy: Young.* A course covering the history of astronomy, its facts and theories. Two hours. (Seniors).

18. *Advanced Physical Theory.* Five hours. (Seniors).

19. *Advanced Physical Measurement: Stewart and Gee.* Three hours. (Seniors).

THE GREEK LANGUAGE AND LITERATURE.

I. HOMER'S ODYSSEY.—

In this course a thorough knowledge of Homeric forms and a fair acquaintance with the Homeric vocabulary are pre-supposed. Attention is therefore directed less to merely grammatical work and more to rapid reading and translation. Many books of the Odyssey are read—large portions of them at sight—and a just appreciation of their literary value is diligently sought. Freshman required course, four hours a week. Fall term.

II. GREEK MYTHOLOGY.—

This course is intimately associated with Course I. and is supplementary to it. Topics suggested by the reading of Homer receive full consideration. A systematic and thorough study of the subject is made by the use of text-books, supplemented by lectures whenever necessary. Freshman required course, one hour a week. Fall term.

III. HERODOTUS.—

Familiarity with the style and matter of Herodotus is the object mainly sought. Peculiarities of form are carefully noted and studied. Book IX, Schuckburgh's edition, is read with due consideration of the history of the period. In addition a thorough review is made of portions of Goodwin's grammar. Freshman required course, three hours a week. Winter term.

IV. GREEK PROSE COMPOSITION.—

The translation of passages based upon the text of Herodotus constitutes the principal work of this course. Both oral and written exercises are required. Freshman required course, two hours a week. Winter term.

V. PLATO.—

The *Apology* and *Crito* of Plato are read, and in

connection with them many passages from other works which bear upon the subjects treated. A brief outline of the History of Philosophy is also given. Freshman required course, three hours a week. Spring term.

VI. XENOPHON.—

The *Memorabilia* is read in connection with the Apology and Crito that the character of Socrates may be studied from the standpoint of Xenophon as well as of Plato. The literary qualities of Xenophon are also duly considered, selections from the most noteworthy and beautiful passages being read. Freshman required course, two hours a week. Spring term.

VII. DEMOSTHENES.—

The translation of the *Philippics* is accompanied by the study of the history of the time, of the Athenian financial and military systems, and of the Athenian legislative bodies. The style of Demosthenes is the subject of careful study, several orations being analyzed and discussed as masterpieces of eloquence. Parts of Jebb's *Attic Orators* and *Primer of Greek Literature* are assigned for collateral reading. Elective course, two hours a week. Fall term.

VIII. TRAGEDY.—

The *Iphigenia among the Taurians* of Euripides is read. The origin and development of the drama, its structure in its perfected form; the Attic theatre, its construction, its maintenance, its place in the public and private life of the Athenians are among the subjects treated by lecture, and also assigned to the student for special investigation. Elective course, two hours a week. Winter term.

IX. COMEDY.—

The Clouds of Aristophanes is made the basis of a

study of the Greek Comedy, its history, form, and influence. The bearing of this drama upon Philosophy and especially upon that of Socrates is discussed. Representative passages from other comedies are also read. Elective course, two hours a week. Spring term.

X. LYRIC POETS —

The object of this course is to give some familiarity with a form of poetry not ordinarily included in the study of Greek literature. Selections are read from the best Elegiac, Iambic and Melic poets such as Theognis, Mimnermus, Xenophanes, Sappho, Alcaeus, and Anacreon. Elective course, two hours a week. Fall term.

XI. RHYTHMIC AND METRIC.—

A course in *Schmidt's Introduction to the Rhythmic and Metric of the Classical Languages* is offered for those desiring to pursue this subject further than can be done by the use of the grammar and ordinary textbook. Elective course, two hours a week. Winter term.

XII. THE NEW TESTAMENT.—

An introduction to Hellenistic Greek is gained through a course of reading in the Greek Testament. Comparisons with Classical Greek are made and differences in form and construction noted. One of the Pauline Epistles is read critically and one of the Gospels at sight. Lectures are given upon the manuscripts of the New Testament. Elective course, two hours a week. Spring term.

MODERN LANGUAGES.

GERMAN.

Courses I–VI inclusive are open to all students who are able to read at sight simple German prose: they are required of all Philosophical Freshmen. The works read vary from year to year, but for the ensuing year are as detailed below. An effort is made to give some familiarity with the classic works of Schiller, Goethe and Lessing, as well as with the best representatives of contemporary German literature.

In addition to the works specified others adapted for sight reading are used as opportunity offers. For those desiring to use German in scientific studies a course of reading in Scientific German is given. While every recitation is to a large degree an exercise in the conversational use of German a separate course is devoted to this subject.

I. Schiller. *The Jungfrau von Orleans*. Freshman required course, three hours a week. Fall term.

II. German Conversation and Composition. Meissner's *German Conversation* is used as a text-book affording a thorough drill upon the ordinary forms of colloquial German. This is supplemented by constant practice upon topics suggested by the accompanying course of reading. Written exercises are also required in the translation of English into German. Freshman required course, two hours a week. Fall term.

III. Freytag. *Die Journalisten*. This course affords an introduction to German comedy and is also valuable as giving an acquaintance with many modern colloquialisms. Selections from other comedies may also be read. Freshman required course, three hours a week. Winter term.

IV. Scientific German. Gore's *German Science Reader*. In addition to the selections contained in this reader use is

made of Scientific Monographs. Freshman required course, two hours a week. Winter term.

V. Goethe. *Hermann und Dorothea*. Freshman required course, three hours a week. Spring term.

VI. Storm. *Immense; Von Hillern. Hoher als die Kirche*. Intended as a course in rapid reading. Freshman required course, two hours a week. Spring term.

Courses 7, 8, 9 are elective and open to all who have taken the preceding courses. German is used exclusively in 7 and 8.

VII. Lessing. *Minna von Barnhelm*. Elective course, two hours a week. Fall term.

VIII. Goethe. *Torquato Tasso*. Elective course, two hours a week. Winter term.

IX. German Literature. A course in the General History of German Literature, consisting of readings, of investigations upon topics assigned, and of lectures. Elective course, two hours a week. Spring term.

FRENCH.

I. ELEMENTARY COURSE.—

Edgren's French Grammar, Part I., containing an outline of French pronunciation and accidence, with a few simple rules in syntax. This is followed by the reading of easy prose selections from Super's Reader in connection with which the more critical study of forms and syntax is pursued in Part II. of the grammar. Thorough drill in translation from English into French is given. Elective course, three hours a week. Fall term.

II. INTERMEDIATE COURSE.—

The main object of this course is to give practice in rapid reading. For this purpose, selections are made from the works of the most entertaining authors.

Dumas' *L'Evasion du Duc de Beaufort*, Erckmann-Chatrian's *L'Histoire d'un Paysan*, and Merimee's *Colomba* are read. The study of composition is carried on by the use of Grandgent's *Materials for French Composition*. Elective course, three hours a week. Winter term.

III. RACINE AND MOLIERE.—

Racine's *Esther* and Moliere's *Le Bourgeois Gentilhomme* are read. In addition to these works others of a simpler nature are assigned for private reading. Elective course, three hours a week. Spring term.

RHETORIC AND ELOCUTION.

COURSES 1, 2, 3.—

Rhetoric. The required work in Rhetoric extends over one year. The first term is given to Style, the second to the simpler forms of Invention, Description, Narration and Exposition, the third to the more elaborate forms, Argumentation and Persuasion, and to the principles of English Versification. The course is arranged throughout for its practical benefit, especially as a drill in criticism and in original writing. While text-books are used, the bulk of the work consists in first hand criticism of standard authors and in original themes. Besides frequent shorter exercises to illustrate special points of the study, through the last two terms the student writes each week one theme of six to eight hundred words on some assigned subject. These themes are corrected, discussed in the class, and returned. Text-books: Genung's *Practical Elements of Rhetoric*, Genung's *Handbook of Rhetorical Analysis*. Gummere's *Handbook of Poetics*. Five hours a week. Spring term Freshman year. Fall and Winter terms Sophomore year.

COURSE 4.—

Chaucer and Early English. This course traces briefly the history of Early English from the Norman Conquest, but gives attention chiefly to Chaucer and Gower, as illustrating the first great period of the English Language. The study of both authors will be largely linguistic. Special attention will be given to early forms of prose. Elective, Juniors and Seniors Fall term. Five hours a week.

COURSE 5.—

English Prose from the Sixteenth to the Nineteenth Century. This course traces the development of English prose style down to the present century. Six or seven authors will be studied minutely as illustrating the different periods. The work will be given in the form of lectures and assigned readings, with essays from time to time. Text-books: Minto's *Manual of English Prose*, Garnett's *English Prose from Elizabeth to Victoria*. The course is open to Juniors and Seniors who have passed in course 4. Five hours a week. Winter term.

COURSE 6 —

English Prose in the Nineteenth Century. This is a continuation of course 5 and the same methods and same text-books will be used. Open to Juniors and Seniors who have had course 5. Five hours a week. Spring term.

Alternating with courses 4, 5 and 6, which trace the history of English Prose, are three courses, 7, 8 and 9, which present a similar study of the English Drama. In 1893-4 courses 7, 8 and 9 will be given.

COURSE 7.—

Elizabethan Dramatists. Course 7 deals with the

origin of the Drama in England, and with the writings of some of the Elizabethan dramatic poets. It is designed both as a study of the Elizabethan period and as a setting for Shakespeare. Lectures, critical readings, and thesis. Open to Juniors and Seniors who have passed in courses 1, 2, 3. Fall term. Five hours a week.

COURSE 8.—

Shakespeare. Two of the plays and a comedy will be studied in the class, and other plays will be assigned for collateral reading. The course is open to Juniors and Seniors who have passed in courses 1, 2, 3. Winter term. Five hours a week.

COURSE 9.—

Dramatic Poetry of the Nineteenth Century. Course 9 is open only to those who have taken courses 7 and 8. The history of the Drama in the Seventeenth and Eighteenth Centuries will be sketched, but the work will consist mainly of the study of Dramatic Forms in modern writers: Byron, Tennyson, Browning, Swinburne, etc., and their relation to the Elizabethan Drama. The work will be largely individual. Juniors and Seniors. Spring term. Five hours a week.

The work in Elocution and Oratory is designed to build up the voice and cultivate a natural and direct style of speaking. All the work is required.

COURSES 10 AND 11.—

Practical Elocution. The work consists of individual drill in declamation, the range of selections studied being wide enough to give some practice in the different styles of speaking. Lectures on the principles of Elocution will be given from time to time.

Fall and Winter terms. Freshman year. One hour a week.

COURSES 12 AND 13.—

Oratory. The work in these courses consists partly of individual drill in preparation and delivery of orations, and partly of lectures on noted English and American orators. Fall and Winter terms. Junior year. One hour a week.

SCIENCES.

The object of the science work is to familiarize the student with typical forms of both animal and vegetable life, and forms related to these, in such a manner as to bring out the law of evolution in nature, with all its corollaries. A systematic note-book is kept in each line of work, showing observations, experiments and results.

The greatest benefit any student derives from this work is system and order of thought as well as keenness of observation. He must, in order to succeed, learn to grasp numerous details, trace the threads of law in them, and catalogue them where they belong.

These courses in text, references, and laboratory-training prepare students first of all to be wide-minded, careful thinkers; but they also prepare for special work in the special schools in Botany, Zoology, Biology, Chemistry, and Geology; they are especially well adapted to students intending to go to medical schools, and for those fitting themselves for science teaching, either in high school or college. The courses designed especially for agricultural students are of great practical importance.

EQUIPMENT.

The College is well equipped with Bausch and Lomb microscopes, in number sufficient to supply each pair of

students. Proper material for preparing and mounting histological slides is kept constantly on hand. A large Bullock microscope, with micrometer adjustments and Zeiss objectives, is used for the finest work, as in Bacteriology.

The chemical laboratory possesses the usual equipment, accommodating twenty students with individual desks.

A large list of reference books is at the command of the student, including a complete set of Smithsonian Contributions, Miscellaneous Collections, and Reports, a full set of the American Journal of Science, and various other valuable reports from the Coast and Geodetic Survey, the Geological Survey, the Ethnological Reports, and Natural History Surveys.

Constant additions are made to apparatus and books, current periodicals are kept on file, as Science, American Naturalist, American Journal of Science, Astronomy and Astro-Physics, Botanical Gazette, Microscopical Journal, etc.

COURSES IN DETAIL.

BIOLOGY.

1. *Elementary Biology: Parker.* A course of text-book work beginning with lowest forms and surveying the whole field. Two hours.

2. *Elementary Practical Biology: Huxley and Martin* A course of laboratory work daily throughout the year. It supplements course 1. Three hours. Courses 1 and 2 are required of Scientific Freshmen.

BOTANY.

1. *General Morphology and Classification: Goebel.* This work begins with classification of Compositae and Ferns, followed by the text-book. There will be two recitations weekly and ten hours laboratory work weekly. Five hours. Requires Biology 1, 2.

2. *Histology of Plants: Hillhouse and Strasburger.* A course of thorough microscopic investigation of plants. Slides are prepared, and the structure of cells of all parts thoroughly examined. Three recitations weekly and ten hours laboratory work weekly. Five hours. Requires Biology 1, 2.

3. *Economic Botany: DeBary.* A course in the study of useful plants and their culture. Three hours.

4. *Embryology of Plants: Lectures and laboratory work on the development of the plant embryo.* Two hours. Requires Biology 1, 2.

5. *Physiology of Plants: Vines.* A study of the functions of the parts of the plant, and the life-history of the plant. Five hours. Requires Biology 1, 2.

ZOOLOGY.

1. *General Morphology and Classification: Claus and Sedgwick, and Jordan's Manual of Vertebrate Classification.* A study of forms of animals and the principles of their classification. The laboratory work will involve much study of animals and careful descriptions. Five hours. Requires Biology 1, 2.

2. *Histological Zoology: Schaefer.* A careful study of animal tissues, methods of mounting, staining, recognition of cells, etc. Especially valuable for medical students. Five hours. Requires Biology 1, 2.

3. *Economic and Systemic Entomology: Smithsonian Reports.* A thorough study of useful and noxious insects, their habits, diseases, etc., with a study of insect classification. Three hours.

4. *Comparative Embryology: Lectures.* This course consists of lectures on vertebrate embryology, including human embryology, and laboratory work on embryology of frog, rabbit, chicken, cat, etc. Two hours. Requires Biology 1, 2.

5. *Human Physiology: Martin's Human Body.* A course of anatomy, physiology, and hygiene of the human body. The work is supplemented with lectures and study of specimens.

GEOLOGY.

1. *Physiography: Ritter's Comparative Geography, Guyot's Physical Geography, Wallace's Island Life.* A study of earth-forms and laws, embracing dynamical geology, and distribution of animal and plant forms. One hour. Counts in University extension courses.

2. *Economic Geology: United States Reports and Illinois Reports.* A study of useful minerals, metals, soils, etc. Three hours.

3. *General Geology and Paleontology: LeConte, Geikie, and Dana.* A study of Historical and Systematic Geology, with the laws, and the course of evolution. Five hours.

4. *Mineralogy: Dana.* Blowpipe and other analyses of rocks, study of crystallography, classification of specimens, and geologic importance. Five hours.

CHEMISTRY.

1. *General Chemistry: Remsen's Brief Course.* This course occupies the fall term and is meant to familiarize the student with the properties of the common elements and their compounds. It consists of one recitation and seven hours of laboratory work per week, during the Fall term. Three hours.

2. *Qualitative Analysis: Prescott's First Lessons.* This course is a continuation of course 1. It consists of one recitation and seven hours laboratory work during Winter and Spring terms. It studies the properties of salts, alone and in combination, the writing and solving of equations, and methods of analysis. Three hours.

3. *Theoretical Chemistry: Remsen.* This course considers the theory of the subject and is used to supplement courses 1 and 2. Two hours. Courses 1, 2, 3 are all required of Freshmen candidates for B. S., but any one may be elected by any upper-classman.

4. *Quantitative Analysis: Sutton.* This course pursues the volumetric method and is quite extensive. It consists of two recitations and ten hours of laboratory work weekly throughout the year. Five hours.

5. *Organic Chemistry: Remsen, Richter.* In this course a thorough study is made of some of the carbon compounds, both theoretically and in laboratory work. The course requires two recitations weekly and ten hours laboratory work. Five hours.

6. *Analysis:* Special study for a year in analysis of waters, ores, gases, etc. Five hours.

PHYSICAL TRAINING.

The class work consists of both light and heavy gymnastics. Marching, dumb-bell, bar-bell, and Indian club drills constitute the greater part of the work of the Fall term. This work is continued during the Winter term. Much work is also done on the horse, on the parallel bars and the horizontal bars; while exercises with the chest-weights and the simpler movements on the ladder and rings are occasionally given throughout the year. The individual work, especially in heavy gymnastics, is varied to meet the requirements of each student under the direction of the instructor in physical training. Tennis courts, football and base-ball grounds afford ample opportunity for outdoor exercise suited to each student.

GENERAL INFORMATION.

ILLINOIS COLLEGE.

Illinois College is the oldest college in the State. Founded in 1839, by the famous "Yale Band," it represents the best educational standards and traditions of the parent institution. In the quality of its work it ranks second to no institution. Students pass, without conditions, from its classes to the same rank in the largest colleges at the east.

With the wisdom of age is combined the vigor of youth. The institution reverently adheres to whatever is best in the old and fearlessly adopts that which is good in the new education. It deems that training best which yields strong and self-reliant manhood. It educates for power, and adopts those methods of work which seem best calculated to produce clearness of intellect, vigor of expression, refinement of taste and Christian character.

The College seeks to provide wholesome conditions of growth. Its discipline is broad, but just and efficient. Within proper limits the greatest freedom and independence on the part of the student is encouraged as part of a well rounded education; beyond these limits conformity to the regulations of the College is expected and enforced. A symmetrical education is believed to include the physical, intellectual, moral and religious development of each student, and careful provision is made for each of these departments of training.

The College buildings are commodious and well equipped.

They are *Sturtevant Hall*, in which are the chapel, the Y. M. C. A. room, lecture and recitation rooms; *Crampton Hall*, a large dormitory building; *Beecher Hall*, containing the Library and several society and lecture rooms; *Whipple Hall*, containing recitation rooms and a large study hall for the preparatory department; the *College Hall*, devoted to the use of the boarding department, and the *Gymnasium*. These buildings are all well adapted to their uses, are heated by steam and lighted by gas.

The College campus is a magnificent park of some twenty acres, crowning a slight elevation and set with large elms and other shade trees.

Jacksonville has long been famed for its culture and literary atmosphere. Three of the state charitable institutions are located here, and a number of prosperous schools and seminaries, and these, with the College, have led many cultivated families to take up their residence in Jacksonville. Its streets are well paved, lighted by electricity and gas, and everywhere lined with arching rows of elms. It is conveniently situated at the intersection of the Chicago & Alton, the Wabash, and the Jacksonville Southeastern (Santa Fe) railroads. Its healthful climate and freedom from temptation render it a most favorable location for a Christian College.

EXAMINATIONS, TESTIMONIALS AND DEGREES.

Whenever any branch of study has been completed, students may be subjected to a rigid examination upon it, oral or written, as the instructor shall judge most suitable. No testimonial of scholarship will be given, either by the authority of the institution or by any individual instructor, except as the result of such examination or its equivalent.

Any one who shall sustain such an examination on any one or more subjects will be entitled to a certificate of the

same, duly authenticated by the authorities of the institution.

The degrees of Bachelor of Arts, Bachelor of Philosophy, and Bachelor of Science will be conferred, respectively, upon students who finish satisfactorily the Classical, Philosophical, or Scientific Course. On completing the Agricultural Course, students will be encouraged to become candidates for the degree of Bachelor of Science, which they may do by remaining at the College and pursuing the studies of the Senior year in the Scientific Course.

The degree of Master of Arts will be conferred on Bachelors of Arts of Illinois College for three years' non-resident work, or one year's resident and one year's non-resident work, in one of the following subjects: Latin, Greek, Civics, Sociology, or Philosophy. For details, apply to the professor in charge of the subject selected.

The degree of Master of Science will be conferred upon Bachelors of Science of Illinois College for three years' non-resident work, or one year's resident and one year's non-resident work in one of the following subjects: Physics, Chemistry, Botany, Zoology, or Mathematics. For details, apply to the professor in charge of the subject selected.

The degree of Doctor of Philosophy may be conferred upon graduates of this or other colleges who have been for at least two years engaged in special studies in advance of the usual course, under the direction of the faculty, and who, in addition to a thorough examination in one or more related subjects, shall present theses embodying the results of their own research, which shall be satisfactory to the faculty.

In order to receive any of the above degrees, it is necessary that, previous to commencement, application shall be made to the President, and the sum of five dollars paid to the treasurer. No person will be recommended to the Trustees as a candidate for any degree or testimonial unless he has first settled all dues.

LIBRARIES.

The College Library has been arranged and enlarged by the gifts of liberal friends of the College. In order that the students and friends of the institution throughout the community may have access to the literary treasures that have been gathered here, the library is regularly opened on Wednesday and Friday afternoon for the drawing of books. A certain portion of this collection, however, including works of reference, is withheld from circulation, and retained in the building for convenience and safe-keeping. The Library now contains more than ten thousand volumes, and is well worthy of the attention of students. Advice and assistance in selecting courses of reading, which may be pursued by students in connection with their studies, will be given by the College Librarian to all who may desire.

In addition to the College Library, each of the literary societies has a collection of books of its own selection. The Sigma Pi Society Library comprises over two thousand volumes, and the Phi Alpha Society Library comprises seventeen hundred and thirty-five volumes. These figures do not include pamphlets, or worthless books of any sort. For the ordinary purposes of the student, these libraries are much more serviceable than the College Library, which is, to a great extent, composed of the rarer and more costly works, books of reference, scientific treatises, etc. There is also a small library, containing about three hundred volumes, devoted mainly to theological and religious literature. We have, then, the following summary of the College Libraries:

College Library.....	10,300	volumes.
Sigma Pi Library.....	2,000	"
Phi Alpha Library.....	1,735	"
Religious Library.....	300	"
Philologian Library.....	140	"

Total.....14,475

LITERARY SOCIETIES.

The students sustain three Literary Societies, which, for the effective and thorough training which they furnish in debate, in the expression of thought and in parliamentary usage, are exceptionally excellent. They are not expensive organizations for good fellowship and conviviality, but are conducted solely with a view to giving their members valuable training in debate and other literary work. Regular attendance and the prompt performance of duties are secured to a much greater degree than is usual in such organizations. They are entirely free from all indebtedness, and the dues of each member vary from one to two dollars per year. These societies—the Phi Alpha Society, the Sigma Pi Society and the Philologian Society—hold their meetings on Friday evenings, and students of Illinois College or Whipple Academy are eligible to membership. Each of the societies has a library—of which mention has been made above—and a commodious hall, tastefully furnished and devoted entirely to its use.

RELIGIOUS EXERCISES.

The institution is conducted as a Christian College. In the instruction of youth, those minor matters on which good men differ are not made subjects of discussion; but the faculty consider the great characteristic doctrines of Christianity as fundamental in morals, as is the law of gravitation in physical science. These doctrines will be so

treated on all occasions. Parents may rest assured that instructors will labor to cultivate not only scholarly tastes, but also Christian character in those committed to their care.

Daily religious exercises, consisting of reading the Scriptures, singing and prayer, at which some member of the faculty officiates, are held in the College Chapel. All students living on the college premises, and all other students whose duties require them to be at any college exercises during the hour immediately preceding or following prayers, are required to attend these exercises.

THE CHRISTIAN ASSOCIATION

of faculty and students was organized in 1882. In 1884 a large room in Sturtevant Hall was devoted to the uses of the association, carpeted and neatly furnished. Here, under the charge of students, are held, on Sunday and during the week, various meetings for conference, prayer, missionary inquiry and bible study. The influence of the association upon the religious life of the institution is most beneficent.

DISCIPLINE AND GENERAL RULES.

In case of deficiency in scholarship, negligence in study, irregularity in attendance upon the exercises of the institution, or improper conduct, the student will be promptly admonished, and his parent or guardian informed of the fact. It is the object of this arrangement to keep parents and guardians accurately informed with regard to their sons and wards in the institution, and thus to secure their coöperation with the faculty in a mild system of discipline. Whenever it is ascertained that a student is deriving no advantage from his connection with the institution, or is pursuing a course injurious to himself or fellow-students, his parent or guardian will be promptly addressed on the subject, and requested to remove him from the institution.

Regularity in attendance upon college exercises is regarded as absolutely essential to the progress of the student, and visits at home or elsewhere, which break in upon such duties, should be avoided as much as possible. Previous permission from the class officer in case of leaving the town will be insisted upon.

Students once entered are considered members of the college until graduated or regularly dismissed, and are therefore required to be present on the first day of each term, unless excused by the faculty.

Special attention is called to the following rules:

I. No student shall be considered a member of any college class who is deficient in a greater amount of work than is regularly finished in one college year, at the rate of one recitation per day.

II. For making up conditions, a student shall be allowed a definite period, to be fixed by the instructor, not exceeding two terms, the summer vacation counting as one term. But any student who enters college with the maximum number of conditions (see Rule I.), may be allowed until the first day of the first term of the next college year to remove them.

III. If any condition be not removed at the end of the allotted time, the student shall be required to take the study with a class, at the earliest opportunity, and such a study shall take the precedence of all other work. Failure to comply with this rule shall forfeit the student's membership in his class.

IV. Students who have lost standing in any class in accordance with Rule III. will not be allowed to pursue further studies with that class except for special reasons, and by unanimous vote of the faculty.

V. Students will not be allowed to take more than the usual number of studies, or be passed in any study by ex-

amination alone, except for special reasons, and by vote of the faculty.

DIVISION OF THE YEAR.

The college year is divided into three terms, as follows:

The **FIRST TERM** begins on the second Thursday in September, and ends on the Wednesday before Christmas.

The Christmas recess begins on the day after the First Term closes, and continues about two weeks.

The **SECOND TERM** begins on the Thursday after New Year's day, and continues about eleven weeks.

The **THIRD TERM** begins at the close of the Second Term, and continues till **COMMENCEMENT**, which occurs on the second Thursday in June.

The **SUMMER VACATION** extends from Commencement to the second Thursday in September.

EXPENSES.

The charges payable to the College Treasurer are as follows:

Tuition for First Term.....	\$21.00
“ “ Second Term.....	16.00
“ “ Third Term.....	13.00

The above figures include all regular charges. There are no incidental expenses except for materials actually used in laboratory work.

Room Rent in Crampton Hall, First Term.....	13.00
“ “ “ “ Second Term...	10.00
“ “ “ “ Third Term....	8.00

The charge for room rent includes fuel, as Crampton Hall is heated by steam.

Tuition and room rent will be collected by the term. No smaller division of the year will be recognized. For private examinations a special fee of two dollars is charged.

Each student occupying rooms in Crampton Hall is re-

quired to deposit with the Treasurer five dollars, at the beginning of each term, to be applied by him to the payment of gas bills and damages during the term. Any money not so applied will be returned to the student at the close of the term, or at such time as the student may have leave of absence for the remainder of the term.

Students vacating rooms for any cause are required to remove their furniture within one week.

Crampton Hall is lighted with gas, each room being supplied with a meter, so that its occupants pay for exactly what they consume. The expense for gas for each student averages twenty cents per week.

Payment is required in advance for each term, but not with the intention of excluding any worthy student who is really unable to comply with this regulation. If any student is unable to pay in advance, he will call immediately upon the President, state his case to him, and obtain from him a permission to the Treasurer to grant such indulgence as the case may seem to require. On receiving such permission, the Treasurer may settle with the student in accordance therewith, and grant him the certificate necessary to admit him to recitation.

BOARD.

Students may obtain board at the college commons. This is well supplied by the college with all the necessary table and other furniture, and the students obtain good board at its actual cost. The price of board is estimated at \$2.40 per week. The cost of board in private families, with furnished room, per week, is from \$3.50 to \$4.50. It will thus be seen that the entire

ANNUAL COLLEGE EXPENSES

of a student who rooms in Crampton Hall are as follows:

Tuition.....	\$50.00
Room Rent.....	28.00
Light.....	7.40
Board.....	88.80
Text Books and Society Fees, average.....	15.00
Total.....	\$189.20

Of other personal expenses, as for washing, clothing and traveling no estimate can be made. These depend upon the tastes, habits and economy of the student.

IN CRAMPTON HALL

the annual expense has been reduced to a rate so low as to bring the expense of a thorough collegiate education within the reach of any young man of ability and energy. The accommodations are far superior to those of ordinary college dormitories. Each suite of rooms, consisting of a study room fifteen feet square, and bed room eight by twelve, is occupied by two students. The study room is furnished with a large study table, and the bed room with a double woven wire mattress bed, as permanent articles of furniture. Other articles of furniture, such as chairs, washstands with appurtenances, and bedding, are furnished by the students themselves at light expense, especially as in many cases they may be brought from home.

Choice of rooms is given by seniority to the college classes; and subsequently to students of Whipple Academy, in the order of application; provided, that if any benefactor of the college has a memorial room in the building, he is entitled to locate his son or near relative in such room. Application for such places should always be made in advance, that the rooms may be reserved. Early application should be made by those wishing to secure rooms in Crampton Hall as the building is usually full at the opening of

the college year. A deposit of two dollars is required of each student in order to secure a room, and the same is deducted from the rent of the following term; but is forfeited in case the room is not occupied by such student.

THE NEW GYMNASIUM.

Through the generosity of past and present students and other friends of the institution, a large and tasteful building, carefully designed for gymnasium uses, has just been erected and equipped at a cost of over fifteen thousand dollars. Facilities unequalled at present by those of any other college gymnasium in the state, can now be offered. Regular exercise will be prescribed and directed by a competent instructor. No student's health is properly guarded, no education is complete, without wise physical training. Its aim is to reveal and remedy individual weaknesses, to increase vigor and to secure a bodily reserve for the mental strain of life. To the gymnasium many attractions will be added to make a popular yet safe resort in leisure hours. Among other features will be a memorial room for pictures and relics connected with the history of the college. A collection of these is begun and its growth in size and interest will depend upon the active coöperation of students and alumni.

SCHOLARSHIPS.

The trustees would call the attention of young men of limited means to the following statement of scholarships, founded by benevolent individuals.

The HUBBARD SCHOLARSHIP, entitling one student to enjoy the privileges of the institution free of charge.

The ELLIS SCHOLARSHIPS, securing a like privilege to two students, and paying part of the bills of a third.

The BARSTOW SCHOLARSHIP, the WOLCOTT SCHOLARSHIP, and the HOLMES SCHOLARSHIP, each securing the privileges of the institution to one student.

The ABEL SCHOLARSHIPS, offering free tuition to two students preparing for the ministry.

All these funds are designed by their generous founders to aid young men of promising talents in obtaining a thorough classical education at the college. None will be permitted, in any case, to enjoy the benefits of them who are not of good moral character, of decidedly promising talents and attainments, and in such circumstances as to need aid in defraying the expenses of their education; nor any who belong to secret societies, or use tobacco, or who do not comply with the regulations of the institution. Incumbents falling below an average grade of 80 per cent. or below 70 per cent. in any study, will forfeit their scholarships. An honorable dismissal will not be given to any holder of a scholarship until he has either completed the course of study required for the degree of Bachelor of Arts, or has refunded whatever he has received from his scholarship, with interest. But if he honorably completes the course of study, he is released from all obligations to refund what he has received.

PRIZES.

A fund of two hundred and fifty dollars has been given to the College by Mr. H. H. HALL, of Jacksonville, the annual income of which will constitute a first prize of ten dollars and a second prize of seven dollars, for orations by members of the junior class.

A fund of one thousand dollars has been given by Mr. THOMAS SMITH, of Hartford, Conn., the income of which, for the coming year, will be applied as follows:

A first prize of fifteen dollars and a second of ten dollars, for declamations of English prose by members of the freshman class.

A first prize of ten dollars and a second of five dollars

for English compositions by members of the sophomore class.

A prize of fifteen dollars for the best standing in the mathematics of the freshman year.

It is expected that the HALL PRIZES and the SMITH PRIZES will be expended for books subject to the approval of the faculty.

A prize of twenty-five dollars has been founded by Rev. W. E. Catlin, of the class of 1845, and named the IRELAND PRIZE, in honor of his classmate, the Rev. Wm. Ireland. It will be awarded annually to that member of the senior class who presents the best paper on some subject in connection with the department of mental and moral philosophy.

Donors, who wish their names withheld, have established a first prize of twenty-five dollars, and a second prize of fifteen dollars, for the first best and the second best summary of the doctrines taught in the course of philosophical lectures for the current year, by Professor Hiram K. Jones.

The above named prizes are offered each year to the several classes. The faculty is authorized, however, to withhold the prizes in any instance in which reasonable competition is not manifested by the members of the class entitled to compete.

No student will be allowed to compete for a prize in studies which he does not pursue with his class at the regular time.

SCHOLARSHIP PRIZES.

Illinois College offers the following scholarship prizes for the ensuing year, to be awarded at the examination for admission September 12 and 13, 1893:

1. A scholarship prize of forty-five dollars (\$45.00) to the student who shall obtain at the examination for admis-

sion the highest average in all the subjects required for admission to the Freshman class in the Classical course of study.

2. A scholarship prize of forty-five dollars (\$45.00) to the student who shall obtain the highest average in all the subjects required for admission to the Freshman class in the Philosophical course of study.

3. A scholarship prize of forty-five dollars (\$45.00) to the student who shall obtain the highest average in all the subjects required for admission to the Freshman class in the Scientific course of study.

4. A scholarship prize of fifteen dollars (\$15.00) to the student who shall pass the best examination in the English required for admission to the Freshman class.

5. A scholarship prize of fifteen dollars (\$15.00) to the student who shall pass the best examination in the Mathematics required for admission to the Freshman class.

6. A scholarship prize of fifteen dollars (\$15.00) to the student who shall pass the best examination in the Latin required for admission to the Freshman class in the Classical and Philosophical courses.

7. A scholarship prize of fifteen dollars (\$15.00) to the student who shall pass the best examination in the Greek required for admission to the Freshman class.

8. A scholarship prize of fifteen dollars (\$15.00) to the student who shall pass the best examination in the Natural Science required for admission to the Freshman class.

SPECIAL PRIZE.

In order to emphasize the importance of a college training and direct attention to its value, a friend of higher education authorizes the offer of a prize of \$25.00 for the best essay on "The Value of a College Education." All essays in competition for this prize must be sent to the

President of Illinois College on or before September 1, 1893. The committee of award will consist of three persons selected from the Faculty of Illinois College, and their decision will be announced about October 1, 1893. The writer of each essay submitted must be a member of the senior (graduating) class of a high school during the school year 1892-'93, and at the time of the award must be a student in Illinois College or Whipple Academy.

Each essay should be limited to 1500 words, and should be signed with a fictitious signature and accompanied by a sealed envelope containing the writer's name and the name of the school which he attended during the year 1892-'93. The prize will be paid in money as soon as the award is determined.

It is hoped that this prize will help to promote a closer relation between the college and the secondary schools.

APPOINTMENTS FOR COMMENCEMENT, JUNE 10TH, 1892.

Herbert H. Carter, *Valedictory*, High Oration. Jacksonville.
 Percy H. Epler, *Salutatory*, High Oration... Jacksonville.
 Arthur D. Black, *Oration*..... Jacksonville.
 Dickey W. Craig, *Oration*..... Grand Island, Neb.
 Philip F. Gillett, *Oration*..... Jacksonville.
 Clement R. Kirby, *Oration*..... Jacksonville.
 George C. Lenington, *Oration*..... Jacksonville.
 Arthur S. Loving, *Oration*..... Lowder.
 William D. Robinson, *Oration*..... Summer Hill.

PRIZES AWARDED SINCE THE PUBLICATION OF THE LAST CATALOGUE.

JUNIOR EXHIBITION—HALL PRIZES.

Orations—

1st Prize—Samuel W. Beggs, '93.

2d Prize—Murrey K. Martin, '93.

SMITH PRIZES.

Composition—

1st Prize—Edward G. Baldwin, '94.

2d Prize—Levi S. Doane, '94.

Declamation—

1st Prize—Thomas J. Simons, '95.

2d Prize—Joseph W. Walton, '95.

Mathematics—

Orrin A. Wemple, '95.

IRELAND PRIZE.

Not awarded

PHILOSOPHY PRIZES.

1st Prize—Percy H. Epler, '92.

2d Prize—George C. Lenington, '92.

WHIPPLE ACADEMY.

Under the direction and management of the trustees of Illinois College, but maintained as a separate and distinct institution, Whipple Academy offers superior advantages in preparation for college, or training in English branches.

COURSES OF STUDY.

The following courses are maintained:

I. College Preparatory Courses, Classical, Philosophical, and Scientific.

II. An Elective Course, for those not wishing to prepare for college, but desiring a thorough drill in special subjects of their own choice.

III. An English Course, affording a careful training for the college preparatory courses, with classes also especially adapted to those desiring a good common school education, and those preparing to teach.

I. THE COLLEGE PREPARATORY COURSES.—These courses are designed to afford a complete preparation for the best colleges.

1. THE CLASSICAL COURSE.—This course covers three years, and includes a thorough training in Latin and Greek; Higher English, including Rhetoric, and a careful study of a few English and American Classics; Mathematics, including Higher Arithmetic, elementary and advanced Algebra, and Plane Geometry; Botany; and Ancient History.

2. THE PHILOSOPHICAL COURSE.—This course covers three years, and includes the same work as the Classical Course in Latin, Higher English, Ancient History and Mathematics; and gives, in the place of Greek, work in elementary science, including Botany, Zoology, Physics with laboratory work, Physiology; and a year's study of German.

3. THE SCIENTIFIC COURSE.—This course covers two years, and includes Algebra, Geometry, Rhetoric, studies in English and American Literature; one year of German or Latin; Physics with laboratory work, Physiology, Botany, Zoology, and Ancient History.

II. THE ELECTIVE COURSE.—Students not wishing to prepare for college are allowed to select such studies as they desire from the regular courses, and receive the diploma of the Academy after completing the equivalent of two years of work above the common branches. This course meets the wants of a large class of young men who wish to prepare themselves thoroughly to begin the study of some special profession, or to get ready for teaching or for business, but who have not the time or the means for a college education.

A COURSE SPECIALLY ARRANGED FOR TEACHERS. Classes will be arranged each term for the benefit of teachers who wish to review their studies, and to prepare for examinations for first or second grade certificates. In the Winter and Spring terms a class will be formed for the study of pedagogy, in which special attention will be given to the illustration and discussion of the best methods of teaching and discipline. Compayre's History of Pedagogy and Compayre's Lectures on Teaching will be used as textbooks, and supplemented by lectures, by suggested collateral reading, and by class discussions.

III. THE ENGLISH COURSE.—Experience shows that many students fail in their preparatory or college work because of insufficient knowledge of the elementary branches. These subjects are poorly taught in many schools, and boys of thirteen years old and upwards frequently attend their home schools for years without making much progress. Many persons have sent such pupils to Whipple Academy, and have been pleased with the work done here. Besides these, many young men, whose early opportunities have been slight, wish a more rapid and thorough review of the English branches than they can get in the common schools. Many students are prepared to take advanced work in some studies, but need to review one or two of the elementary branches.

For the accommodation of all of these persons, the Academy offers one or more classes each term in the following subjects: Arithmetic, English Grammar, Geography, United States History, Civil Government, Reading, with frequent compositions, Spelling and Penmanship. Business Correspondence and Bookkeeping are also taught without extra charge.

The courses of study in the Academy have been greatly extended, and it is believed that there is now offered an arrangement of studies and a choice of courses equal to those of the best secondary schools in the country. The work in Greek and Latin is up to the highest standard. More than usual attention is paid to Higher English, ample time is given for a thorough mastery of the necessary branches of Mathematics, provision is made for a good foundation for future work in science, and a year's work in German is added. In addition to the valuable drill afforded by the Academy literary society, regular training is given in composition and declamation throughout the entire course.

Graduates of the Academy, in any of the preparatory courses, will be able to enter the best colleges of the country.

Boys under thirteen years old are not admitted to the Academy except by special arrangement with the Principal. Students are assigned to such classes as they are found, by careful examination, to be best fitted for. Testimonials of character and standing in the last school are desired, and when these are clear and satisfactory, no examination will be required; but students thus admitted will be regarded as on trial, and may be dropped at any time from classes in which they do not perform satisfactory work.

Outline of Courses of Study.

ENGLISH COURSES.

REGULAR.	SPECIAL.	TEACHERS.'
	FALL TERM.	
Arithmetic.	Arithmetic.	Advanced Arithmetic.
English Grammar.	English Grammar.	Advanced Grammar.
U. S. History.	U. S. History.	Physiology.
Penmanship.	Penmanship.	Penmanship.
	WINTER TERM.	
Arithmetic.	Arithmetic.	U. S. History & Geography.
English Grammar.	English Grammar.	Zoology.
U. S. History & Geography.	Bookkeeping.	Physics.
Penmanship.	Penmanship.	Pedagogy.
	SPRING TERM.	
Advanced Arithmetic.	Advanced Arithmetic	Advanced Grammar
Advanced Grammar	or	or
or	Advanced Grammar.	Ancient History.
Latin Lessons.	Civil Government.	Botany.
Civil Government.	Bookkeeping.	Physics.
Penmanship.	Penmanship.	Pedagogy.

One hour a week through the year in Composition and English Literature is required of all students.

Certificates of honor will be given to all who pass with a grade of at least 85 per cent. in all the studies of any of these courses.

PREPARATORY COURSES.

Classical Course.

Philosophical Course.

Scientific Course.

JUNIOR YEAR.

	FALL TERM.	
Latin Lessons.	Latin Lessons.	Physiology.
Algebra.	Algebra.	Algebra.
Elementary Rhetoric.	Elementary Rhetoric.	Elementary Rhetoric.
	WINTER TERM.	
Latin Lessons.	Latin Lessons.	Physics.
Algebra.	Algebra.	Algebra.
English Literature.	English Literature.	English Literature.
	SPRING TERM.	
Latin: Cæsar.	Latin: Cæsar.	Botany.
History: Eastern Nations and Greece.	History: Eastern Nations and Greece.	History: Eastern Nations and Greece.
Botany.	Botany.	Physics.

One hour a week in Composition and English Literature is required of all students through the Spring term.

MIDDLE YEAR.**FALL TERM.**

Latin: Cæsar and Composition.
 Roman History.
 Greek Lessons.

Latin: Cæsar and Composition.
 Roman History.
 Physiology.

The Scientific Course is finished in two years. See Senior Year.

WINTER TERM.

Latin: Cicero and Composition.
 Geometry.
 Greek Lessons and Anabasis.

Latin: Cicero and Composition.
 Geometry.
 Physics.

SPRING TERM.

Latin: Cicero and Composition.
 Geometry.
 Greek: Anabasis and Composition.

Latin: Cicero and Composition.
 Geometry.
 Physics.

One hour a week in Composition and English Literature is required of all students through the year.

SENIOR YEAR.**FALL TERM.**

Latin: Vergil.
 Greek: Anabasis and Composition.
 Advanced Algebra.

Latin: Vergil.
 German.

Latin or German.
 Roman History.

Advanced Algebra.

Advanced Algebra.

WINTER TERM.

Latin: Vergil.
 Greek: Homer's Iliad.
 Greek History and Classical Geography.

Latin: Vergil.
 German.
 Zoology.

Latin or German.
 Geometry.
 Zoology.

SPRING TERM.

Latin: Cicero and Composition.
 Greek: Homer's Iliad.
 Advanced Algebra.

Latin: Cicero and Composition.
 German.
 Advanced Algebra.

Latin or German.
 Geometry.
 Advanced Algebra.

One hour a week in declamation and composition is required of all students through the year, and an essay each term for the Fall and Winter terms.

Scope and Methods of Instruction.

The following statements are made to explain the scope and methods of instruction in the various subjects of study:

GREEK.

The study of Greek is begun in the Middle Year, and continues two years. In the first two terms Frost's Greek Primer is used, and thorough drill is given in forms, vocabularies, and simple syntax, with daily practice in oral and written translation from Greek into English, and English into Greek. In the third term Xenophon's *Anabasis* (Kelsey) is begun, Book I finished and reviewed, with daily exercises in Prose Composition (Woodruff), and special attention to irregular verbs and syntax.

In the Senior Year, Books II., III. and IV. of the *Anabasis* are read in the first term, and Frost's Greek Primer carefully reviewed. In the second term three books of Homer's *Iliad* (Keep) are read, with study of Homeric forms, scansion, and mythology.

In the third term, all the Greek so far read is reviewed, and an effort made to thoroughly fix the vocabularies, forms, and constructions of the whole course."

PEDAGOGY.

A course in Pedagogy is offered to students of the Teachers' Course, continuing through the Winter and Spring terms. It aims to give a knowledge of the history of education, of the lives and methods of noted educators, of mental processes and the laws relating to mental

growth and the development of mental power, and to assist in the formation of just opinions on theories and methods of teaching and of school management. Compayre's History of Pedagogy and Compayre's Lectures on Teaching will be used as text-books, and these will be supplemented by lectures, by suggested collateral reading, and by class discussions of methods of teaching and systems of education.

BIBLE STUDY.

The courses of study in the English Bible offered to College students are open to mature students of the Academy, and these are not only permitted to take up the work, but advised to do so. The course aims to give a good general knowledge of the character and contents of the Scriptures, using the Bible as a text-book, and supplementing it by lectures and suggested collateral reading. The course in 1893-4 will be in Old Testament History, from the Creation to the Division of the Jewish Kingdom. One hour a week through the Fall and Winter terms.

ANCIENT HISTORY.

In the Spring term of the Junior year Myers' Eastern Nations and Greece is studied, in the Fall term of the Middle Year Allen's Short History of the Roman People, and in the Winter term of the Senior year Wilkins' Roman Antiquities, Mahaffy's Old Greek Life, and Tozer's Classical Geography.

The object of the course is to prepare the student for the study of Mediæval and Modern History, and to furnish a basis for the study of Political Economy and Constitutional Development. In addition to the work of the text-book, lectures are given, and other reading suggested, and topics assigned for special study and investigation.

LATIN.

The course in Latin extends over three years, and aims to give the student a thorough knowledge of forms, syntax and prosody, and accuracy and facility of translation. While the course is arranged primarily with a view to fitting students for Illinois College, it is believed that the work is sufficiently thorough and the course sufficiently extensive to insure admission to any American college.

In the first year, two terms are given to the study of etymology, Comstock's First Latin Book being the text book. Free use is made of blackboards, and the progress of the students tested by frequent written examinations. In the Spring term, Cæsar is begun, the class using Kelsey's Cæsar, studying the introduction, and reading thirty chapters in Book I, and all of Book II. In connection with this there is daily practice in writing Latin, using Daniell's Prose Composition, and a thorough study of all grammatical references, using Allen & Greenough's Grammar.

In the second year, Cæsar is continued, reading Books III and IV and reviewing the whole. Prose Composition is kept up, and Comstock's First Latin Book thoroughly reviewed. In the Winter term Cæsar is begun, using Johnston's Cicero, and the four orations against Catalina are read. In the Spring term two other orations of Cicero are read.

In the third year, Vergil occupies the first two terms, six books being read and reviewed. Careful attention is given to scanning, and to the explanation of grammatical, mythological, and historical references. Greenough's Vergil and Whiton's Auxilia Vergiliana are the text books used. In the Spring term two more of Cicero's orations are read.

The course thus includes a very thorough drill in Latin Grammar and Composition, four books of Cæsar, eight orations of Cicero, and six books of Vergil.

MATHEMATICS AND PHYSICS.

1. *Elementary Algebra: Wentworth's School Algebra.* This work is aimed to carry the pupil through quadratics, in an elementary way, and to so familiarize him with the mechanical processes that he can do them with ease and thus be ready for the deeper study in advanced algebra. Fall and Winter terms.

2. *Advanced Algebra: Jones' Drill Book in Algebra.* This course is meant to fit the student for good, thorough work in college. It goes to the root of the subject, and at the same time gives ability to solve all problems likely to arise. The work is entirely modern. Fall and Spring terms.

3. *Plane Geometry: Du Puis' Synthetic Geometry.* This subject is treated from the modern "synthetic" standpoint. It is a valuable combination of reasoning and a study of the elementary properties of space. Winter and Spring terms.

4. *Elementary Physics: Chute's Physics.* This course is a combination of lectures, problems, and laboratory work, mainly the latter. The experiments are all *quantitative* in character. They are designed to furnish an experimental basis for the laws and facts of physics. The work requires a great deal of laboratory time and writing up of notes. Winter and Spring terms.

GERMAN.

The aim of this course in German is to enable the student to read at sight simple prose and to afford him considerable familiarity with the forms and vocabulary of ordinary conversation.

FALL TERM:—The work of this term is based largely upon Joynes-Meissner's Grammar. Accompanying the study of inflections and the simpler forms of syntax is

daily practice in oral and written translation from English into German. The student is accustomed to the sound of the German, and is required to give the utmost attention to securing a correct pronunciation. The reading of simple selections from Joynes' Reader is early introduced, together with the memorizing of short stories and poems. The formal study of the grammar is continued through the term, during which the elements of etymology and syntax are acquired.

WINTER TERM:—The reading and translation of the more advanced portions of Joynes' Reader occupy a large part of this term. The work of acquiring a vocabulary is emphasized. Facility in translation from English into German is sought by the use of passages based upon the subject matter of the Reader. Students are also expected to reply to simple questions in short correct German sentences.

SPRING TERM:—The general character of this term's work is similar to that of the preceding. Increasing stress is laid upon the acquiring of facility in conversation, and the use of English in the class-room is gradually supplanted by German. Selections from the prose of modern writers, such as Heyse, Hartmann, Storm and Stifter, are read.

NATURAL SCIENCES.

Physiology: Walker's Physiology is used as a text-book, supplemented by the study of the skeleton and charts, by such demonstrations and dissections as are practicable, and by lectures and suggested outside reading. Fall term.

Zoology: Packard's Briefer Course is the text-book used. In addition to the text-book work, typical forms are taken up for special study, and students are taught to observe and study the object itself. Winter term.

Botany: Gray's School and Field Book of Botany is

used. The work takes up the structure and forms of plants, and leads up to the system of classification. Each student collects, mounts, and classifies sixty species of plants, including all the simpler orders as far as Compositae. Spring term.

ENGLISH LITERATURE, RHETORIC AND ELOCUTION.

COURSES 1, 2, 3.—

English Class. One hour a week through the year. In this year it is designed, by readings and weekly compositions, to give a general introduction to Literature by acquainting the students with the subjects and the history of some of the masterpieces of Classical and English Literature, and the following books in Ginn & Co.'s Classics for Children are to be read outside the class: Kingsley's *Greek Heroes*, Lamb's *Tales from Shakespeare*, Hale's *Arabian Nights*, Scott's *Tales of Grandfather*, Hughes's *Tom Brown at Rugby*. At the weekly exercise the student recites the story of the passage assigned for study, and writes an abstract of it.

COURSES 4 AND 5.—

Junior Class: Rhetoric. Five hours a week. Fall and Winter terms.

In this course the elementary principles of Rhetoric are studied, and practical application of them is made in frequent exercises in composition.

Along with the work in Rhetoric the class studies American Literature, giving about two weeks each to the following writers: Irving, Longfellow, Whittier, Bryant, Hawthorne, Holmes, Lowell and Emerson.

COURSE 6.—

Junior Class: American Literature. One hour a week. Spring term.

This is a continuation of courses 4 and 5. Other American authors are studied and weekly recitations and compositions are required from the class.

The text books used during the year are: Shaw's *English Composition*, Richardson's *Primer of American Literature*, and selections from cheap editions of the authors studied.

COURSES 7, 8 AND 9.—

Middle Class: English Literature. One hour a week through the year.

By means of informal lectures and some text book study, the history of English Literature is traced from the Norman Conquest to the present day. Considerable reading outside the class is required, supplementing the lectures and text books. Frequent written tests or examinations are given, covering both lectures and readings.

Text books: Brooke's *Primer of English Literature*. Selections from cheap editions of English writers.

COURSES 10 AND 11.—

Senior Class. Declamation one hour a week through Fall and Winter terms. This course attempts to introduce the student to the principles of easy and correct speaking. Each member of the class receives private drill in the preparation of three declamations, which are then delivered before the class. Eight representatives are chosen from the class at the end of the course to compete for the Whipple Declamation prizes.

COURSE 12.—

Senior Class. Composition. One hour a week, Spring term.

The work of this course consists of weekly exercises

in original composition, prepared outside the class, corrected and criticised, and then discussed in the class. No text books.

In addition to Courses 10, 11 and 12, all members of the Senior Class write one essay each of the first two terms, choosing their own subjects. These essays must be handed in by the end of the term, and are criticised and returned.

The Smith Prize of \$15 is awarded for the best grade in the work in English Composition of the Senior year, including the two essays and the exercises of the Spring term.

ENGLISH COURSES.

Arithmetic: Wentworth's Grammar School Arithmetic, Wentworth and Hill's Problems. The work in this branch denoted as Advanced Arithmetic and offered to teachers in the fall term, will be a thorough practical review of the whole subject. Students in the English Courses proper will spend the Fall and Winter terms in going over the subject with a text-book; the spring term will be devoted to a review of the whole subject, using a manual of problems as a basis.

Grammar: Reed & Kellogg's Higher Lessons in English. In the English courses the Fall and Winter terms will be given to text-book work on Orthography, Etymology, and Syntax. The Spring term's work will be a complete review of all the previous work, with especial emphasis on syntax and the general structure of the language. In the Fall term teachers will be offered the complete course covered by the English students in the whole year, and the same again in the Spring term.

United States History: Johnston's Brief United States History. A thorough text-book will furnish a basis of facts, to be supplemented by references to short works

on special topics and by papers written and presented to the class by the instructor, discussing the political and industrial history of the country. The work in the Winter term will be a thorough review and is also offered to those who have studied the subject and wish a review preparatory to teaching.

Geography: One hour per week during the Winter term, a review, using any text-book.

Civil Government: Thorpe's Civil Government. A description of town, city, county, state, national governments; also a brief historical outline of their growth, to be filled in by a limited amount of supplementary reference work. Especial attention will be paid to the civil government of Illinois.

Bookkeeping: Gay's Business Bookkeeping. A short course in single entry followed by double entry. The aim in this department is to furnish the theoretical and practical knowledge of the subject necessary to manage the books of any ordinary mercantile business.

Penmanship: A class in practical penmanship will be taught from four to seven weeks each term.

Beginning Latin: Comstock's Latin Lessons. In the Spring term Latin may be begun by such students as wish to take up the preparatory courses the following fall. This work of one term will be a great help in mastering the rudiments of Latin taught in the Junior year.

PHYSICAL CULTURE.

Young men engaged in study need regular and systematic physical training, and the Academy is now better equipped in this respect than any other institution in the state.

Students in the Academy have access to the new gymnasium of the college at stated times, and have regular

training there daily under a competent instructor. The bath rooms are also at their disposal under certain regulations.

Tennis courts, foot-ball and base-ball grounds afford ample opportunity for outdoor exercise suited to each student.

ANNIVERSARY EXERCISES.

The Anniversary exercises of the Academy are held on Monday of Commencement week.

Certificates of graduation are given to all who complete the regular courses of the Academy. These certificates entitle the holder to enter the Freshman class of Illinois College without further examination.

Certificates of graduation are also given to all who, following an elective course, have passed in 18 units of work above the common branches, a term's work in a regular study of any of the courses counting as a unit. These certificates do not admit to the College. A charge of two dollars is made for graduation.

The graduating exercises consist of essays delivered *ex memoria* and declamations. The class is generally too large for all to take part, and eight students are appointed to represent the class. The appointments are made by the faculty, who take into consideration: 1st, general proficiency in the studies pursued; 2d, special proficiency in rhetoric and elocution; 3d, gentlemanly conduct throughout the course.

The following appointments have been made for 1893:

George Edwin Baxter	Griggsville.
Samuel Wallace Baxter	Jacksonville.
Edward Regnier Branson	Petersburg.
Harry Hodges Griswold	White Hall.
Clarence Eldred Fairbank	Jacksonville
Charles Edward Lenington	Jacksonville.
Emmet William McBratney	Griggsville.
Edgar Howard Sturtevant	Jacksonville.

PRIZES.

During the year 1893-1894, prizes will be offered as follows:

To the Senior class, in all courses: The WHIPPLE PRIZES for declamation: 1st prize, ten dollars; 2d prize, seven dollars. To the Senior class: The SMITH PRIZE of fifteen dollars, for the best essays and work in composition during the year.

Through the generosity of Mr. CHARLES CATLIN, a prize of ten dollars is offered to members of the Middle class, classical course, for the best standing in Greek of the year.

All prizes are awarded in books, chosen by the successful student and approved by the principal.

PRIZES AWARDED SINCE THE PUBLICATION OF THE LAST CATALOGUE.

WHIPPLE PRIZES, 1893.

First Prize—George Edwin Baxter, Griggsville.

Second Prize—Samuel Wallace Baxter, Jacksonville.

SMITH PRIZE, 1892.

James Franklin Regan, Kenney.

CATLIN PRIZE IN GREEK, 1892.

Walter Orville VerBryck, Topeka.

Edgar Howard Sturtevant, Jacksonville.

LITERARY SOCIETY.

The Academy students maintain an excellent literary society, the Philologian, which meets on Friday evening of each alternate week. It is open to all students over fifteen years of age, and affords effective and thorough training in declamation, essay-writing, debate, and parliamentary usage.

EXPENSES.

TUITION: The charges for tuition in the Academy are as follows:

Fall term.....	\$18.00
Winter Term.....	15.00
Spring Term.....	12.00

This charge includes tuition, incidentals, gymnasium, baths, laboratories, &c. There are no extra charges of any kind.

Term bills are due on the first day of each term. Students entering after the middle of a term will be charged for but half a term. No fees will be refunded except in case of sickness. In this event the student will procure from a physician a certificate of his inability to remain in school, when half the amount paid will be refunded, if application is made before the middle of the term.

ROOMS AND BOARD.—In order to reduce expense, and bring a good education within the reach of any young man of ability and energy, Crampton Hall was built in 1874. It will accommodate fifty students. The accommodations are far superior to those of ordinary college dormitories. The rooms are large, well lighted, heated by steam, and provided with gas for lighting. The rooms are carefully inspected every month, and kept in good order. Two of the instructors have rooms in the Hall, and it is managed so as to make this an attractive home for young men. The rooms are rented at a cost just sufficient to cover fuel and repairs.

Each suite of rooms consists of a study room fifteen feet square, and a bed room fifteen by eight, and is occupied by two students. The study room is furnished with a large study table, and the bed room with a woven wire mattress bed. Other articles may be brought from home or may be purchased in Jacksonville.

A list of articles needed to furnish the rooms has been prepared, and will be sent on application.

Each student should have a Bible, and a good dictionary; and it is desirable that he be provided with such papers or other reading matter as shall be profitable and appropriate for Sunday.

Room rent for First term \$10, Second term \$10, Third term \$8.

The rooms are generally all engaged by the opening of school, and it is best to secure a room as early as possible. A deposit of two dollars sent to the Principal will secure a room, and the two dollars will be credited on the rent for the term, but will be forfeited in case the person does not occupy the room. Students rooming in Crampton Hall board at the college commons. Here an excellent table is kept up, and the students pay only the actual cost, which is about \$2.40 per week.

Many of our students take furnished rooms near the Academy, paying from 75 cents to \$1.25 per week, and take their meals at the club.

The Principal will aid students in finding pleasant and economical boarding places. Board and furnished room in private families costs from \$3.50 to \$5.00 per week.

AID TO STUDENTS.

To aid worthy students in obtaining an education, the WHIPPLE SCHOLARSHIP and the BISHOP SCHOLARSHIP have been founded, each paying the tuition and incidental expenses of one student.

A limited number of students not able to pay the full charge for tuition can have such a reduction as may be considered necessary.

Aid will be withdrawn from any student who does not maintain an average grade in all his studies of at least 80 per cent., or who falls below 70 per cent. in any study.

Students admitted free of tuition, who leave before completing the full course, are expected to pay the tuition for the time they are in the Academy.

Besides the direct aid afforded, the Principal will be glad to assist in finding remunerative employment for those who wish it. Every year some of the best students find work, either at the Academy or in some of the homes of Jacksonville, by means of which they materially aid themselves in securing an education.

REGULATIONS.

Academy students are required to attend morning prayers.

Careful records are kept of the attendance and scholarship of students, and reports are sent to parents at the close of each term. Satisfactory excuses must be given for all absences.

In order to continue in a class, a grade of not less than 60 per cent. is required. If a student does not maintain this grade, he will be admonished; and if, after due trial, he is still unable to do the work, he will be dropped from the class.

No student will be allowed to remain in the Academy who does not give evidence of diligent study, or who is unwilling to yield a cheerful obedience to the regulations of the institution.

Students not resident in Jacksonville are not allowed to leave the city at any time without permission previously obtained from the Principal.

The use of tobacco by students of the Academy is strongly discouraged, and at the request of parents will be strictly prohibited in the case of their sons.

Recitations are conducted from 8:15 A. M., to 3:30 P. M., in separate recitation rooms. The Academy Study Hall, a

pleasant and commodious room, is used for study and assistance in the preparation of lessons. An instructor is always in charge who gives his whole attention to individual instruction and explanation. This has proved a valuable feature of the work of the Academy, supplementing the work of the class room, and giving students the advantage of private instruction. Attendance is required, unless excused by the Principal, and absences are reported as strictly as absences from recitations.

CALENDAR—1893-4.

1893.

Sept. 12 and 13.—Entrance Examinations.

Sept 14.—Fall Term Begins.

Nov. 30-Dec. 3.—Thanksgiving Recess.

Dec. 20.—Fall Term Ends.

1894.

Jan. 4.—Winter Term Begins.

Mar. 21.—Winter Term Ends.

Mar. 22.—Spring Term Begins.

Mar. 22.—Whipple Declamations.

June 11.—Whipple Anniversary

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CALENDAR.

1893.

May 2.—Freshman Exhibition.....	Tuesday.
June 1.—Junior Exhibition.....	Thursday.
June 2.—Whipple Anniversary.....	Friday.
June 3.—Glee Club Concert.....	Saturday.
June 4.—Baccalaureate Sermon.....	Sunday.
June 4.—Address Before Christian Association...	Sunday.
June 6.—Osage Orange Day.....	Tuesday.
June 6.—Class Reunions.....	Tuesday.
June 7.—Trustees' Meeting.....	Wednesday.
June 7.—Class Day Exercises.....	Wednesday.
June 7.—Sigma Pi Reunion and Supper.....	Wednesday.
June 8.—Commencement.....	Thursday.
June 8.—Inauguration of President Bradley....	Thursday.
June 8.—Alumni Dinner.....	Thursday.
June 8.—President's Reception.....	Thursday.

SUMMER VACATION.

Sept. 12,13.—Entrance Examinations.	Tuesday, Wednesday.
Sept. 14.—First Term Begins.....	Thursday.
Nov. 30.—Thanksgiving Recess.....	Thursday—Sunday.
Dec. 20.—First Term Ends.....	Wednesday.

WINTER VACATION.

1894.

Jan. 4.—Second Term Begins.....	Thursday.
Feb. 16.—Phi Alpha Open Meeting.....	Friday.
Mar. 21.—Second Term Ends.....	Wednesday.
Mar. 22.—Third Term Begins.....	Thursday.
Mar. 22.—Whipple Declamations.....	Thursday.
Apr. 27.—Sigma Pi Open Meeting.....	Friday.
May 1.—Freshman Exhibition.....	Tuesday.
June 10.—Baccalaureate Sermon.....	Sunday.
June 14.—Commencement.....	Thursday.

All graduates of the College are requested to send to Prof. H. W. Johnston, Secretary of the Faculty, information as to changes of address, or any other facts of interest in reference to themselves or their classmates, in time for publication in the triennial alumni register, February 1st, 1894.

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WHIPPLE ACADEMY

SIXTY-FIFTH YEAR

1893-1894

JACKSONVILLE

CALENDAR.

1894.

April 27.—Open Meeting Sigma Pi Society	Friday
May 1.—Freshman Exhibition.....	Tuesday
June 10.—Baccalaureate Sermon.....	Sunday
June 10.—Y. M. C. A. Anniversary.....	Sunday
June 11.—Whipple Anniversary.....	Monday
June 11.—Junior Exhibition.....	Monday
June 12.—Osage Orange Day.....	Tuesday
June 12.—Glee Club Concert	Tuesday
June 12.—Class Reunions	Tuesday
June 13.—Meeting of Trustees.....	Wednesday
June 13.—Class Day	Wednesday
June 13.—Oration and Poem Before Alumni	Wednesday
June 13.—Alumni Supper	Wednesday
June 14.—Commencement	Thursday
June 14.—Commencement Dinner.....	Thursday
June 14.—President's Reception.....	Thursday

SUMMER VACATION.

Sept. 11-12.—Entrance Examinations.....	Tuesday and Wednesday
Sept. 13.—First Term Begins.....	Thursday
Nov. 29-Dec. 2.—Thanksgiving Recess.....	Thursday-Sunday
Dec. 19.—First Term Ends	Wednesday

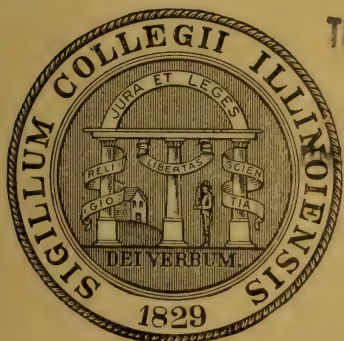
WINTER VACATION.

1895.

Jan. 3.—Second Term Begins	Thursday
Jan. 18.—Joint Debate.....	Friday
Feb. 15.—Phi Alpha Open Meeting.....	Friday
March 14.—Gymnasium Contest.....	Thursday
March 20.—Second Term Ends.....	Wednesday
March 21.—Third Term Begins.....	Thursday
March 21.—Whipple Declamations.....	Thursday
April 19.—Sigma Pi Open Meeting.....	Friday
April 30.—Freshman Exhibition.....	Tuesday
June 9.—Baccalaureate Sermon.....	Sunday
June 13.—Commencement.....	Thursday

CATALOGUE
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*Professor of History and English Literature
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*Professor of the Latin Language and
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*Professor of Pedagogy, and Principal of
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*Collins Professor of the Greek Language and Literature,
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315 Lockwood Pl.

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*Professor of Pedagogy and Principal of
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1207 Mound Ave.

Hitchcock Professor of Natural Science.

* Resigned, December, 1893.

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Instructor in Rhetoric and Elocution.

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7 C. H.

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847 W. College Ave.

WILLIAM KIRBY McLAUGHLIN, M. D.

Physical Examiner.

121 W. College Ave.

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ILLINOIS COLLEGE.

GENERAL INFORMATION.

HISTORY AND PURPOSE.

The establishment of Illinois College is intimately related to the first settlement of the state. No chapter in American history is more inspiring than that which records the scenes and incidents connected with the formation of the famous Yale Band of 1829. Settlements in the upper Mississippi valley were then small and widely scattered. But the young men composing this Band, then students of Yale College, looked forward to the development of the great west, and calmly planned for a national destiny of which few had then conceived. They resolved that the millions so soon to people the prairies and the forests of this vast expanse should find that the institutions of education and Christianity had preceded them. They resolved to lead in this work by devoting themselves to it.

In the autumn of 1827, Theron Baldwin, then a student in Yale College, read a fervid essay in the Yale Society of Inquiry on the Call of the West. His young associates were deeply stirred by his appeal, and on their homeward walk they paused

beneath the elms and, under the solemn majesty of that starlight night, they devoted themselves to the work which the essay had proposed. A compact was prepared and signed, in which these young men pledged themselves to the work of education and Christianity in the then wild and distant state of Illinois. The signers of this compact were Mason Grosvenor, Theron Baldwin, Julian M. Sturtevant, William Kirby, Asa Turner, John F. Brooks and Elisha Jenney. Under the pledges of this compact, these young men immediately began to make plans for the founding of a Christian college.

Meantime, pioneers in the settlement of the state had begun to realize the great alternative which was presented and they, too, resolved that this fruitful land should be pre-empted for freedom and learning and righteousness—rescued from slavery and the thriftlessness and disorder which threatened. A movement was inaugurated, under the lead of Rev. John M. Ellis, a home missionary, for the establishment of a Christian school, to which Gov. Joseph Duncan and Judge Samuel D. Lockwood gave hearty support. Through the agency of the American Home Missionary Society these two movements were brought together and many new friends gained to the enterprise, east and west.

In December, 1829, the school was opened in what is now the south wing of Beecher Hall, with Julian M. Sturtevant as the sole teacher. For fifty-six years he was connected with the institution as teacher, professor or president. The first class was graduated in 1835, and consisted of Richard Yates,

afterwards the great War Governor of Illinois, and Jonathan Spilman. In 1831 Rev. Edward Beecher resigned the pastorate of Park Street Church, Boston, to accept the presidency of the growing institution. Few colleges have graduated so many distinguished alumni.

Illinois College was the most potent factor in determining the early history of the state. The wide publicity given to its establishment by the American Home Missionary Society and other agencies induced tens of thousands of the most desirable settlers to emigrate from their eastern homes to the fertile prairies of Illinois. Enterprise and capital followed the Christian College. The founders of the college were, in fact, the authors of the whole educational system of the state, and during the early years of its history one or two of its professors were constantly traveling throughout the state, stimulating the establishment of voluntary schools and forming public sentiment in favor of a system of public education. Throughout its history it has steadfastly adhered to its original purpose to promote the interests of education and Christianity throughout the region of which it is the intellectual center.

Illinois College then is the oldest college in the state. It represents the best educational standards and traditions of the parent institution—Yale College. In the quality of its work it ranks second to no other institution. Students pass, without conditions, from its classes to the same rank in the largest colleges at the east.

With the wisdom of age is combined the vigor of

youth. The institution reverently adheres to whatever is best in the old and fearlessly adopts that which is good in the new education. It deems that training best which yields strong and self-reliant manhood. It educates for power, and adopts those methods of work which seem best calculated to produce clearness of intellect, vigor of expression, refinement of taste and Christian character.

The College seeks to provide wholesome conditions of growth. Its discipline is broad, but just and efficient. Within proper limits the greatest freedom and independence on the part of the student is encouraged as part of a well rounded education; beyond these limits conformity to the regulations of the College is expected and enforced. A symmetrical education is believed to include the physical, intellectual, moral and religious development of each student, and careful provision is made for each of these departments of training.

LOCATION AND BUILDINGS.

The College buildings are commodious and well equipped. They are *Sturtevant Hall*, in which are the chapel, the Y. M. C. A. room, lecture and recitation rooms; *Crampton Hall*, a large dormitory building; *Beecher Hall*, containing the Library and several society and lecture rooms; *Whipple Hall*, containing recitation rooms, and a large study hall for the preparatory department; the *College Hall*, devoted to the use of the boarding department, and the *Gymnasium*. These buildings are all well adapted to their uses, are heated by steam and lighted by gas.

The College campus is a magnificent park of some twenty acres, crowning a slight elevation, and set with large elms and other shade trees.

Jacksonville has long been famed for its culture and literary atmosphere. Three of the state charitable institutions are located here, and a number of prosperous schools and seminaries, and these, with the College, have led many cultivated families to take up their residence in Jacksonville. Its streets are well paved, lighted by electricity and gas, and everywhere lined with arching rows of elms. It is conveniently situated at the intersection of the Chicago & Alton, the Wabash, and the Jacksonville Southeastern railroads. Its healthful climate and freedom from temptation render it a most favorable location for a Christian College.

COURSES OF INSTRUCTION.

The courses of instruction form a system of required and elective study. The studies of the Freshman Year are required. In the Sophomore Year the required studies occupy five hours each week; in the Junior Year six hours, and in the Senior Year five hours, leaving ten hours of elective work in each of these classes. The required studies of the Freshman Year are selected for their disciplinary value, in order that students may the more profitably pursue, in subsequent years, whatever they may select. The required studies of the Sophomore, Junior, and Senior Years are restricted to English, History, and Philosophy, the pursuit of which is deemed necessary for all students who are to be recommended for a collegiate degree. The elective studies offer the student a large number of subjects, and are so placed in the curriculum that freedom of choice is allowed within the necessary limitations of the schedule of recitations.

REQUIREMENTS FOR ADMISSION.

Four different courses of study are pursued in this College: The Classical Course, the Philosophical Course, the Scientific Course and the Agricultural Course.

Candidates for admission to these courses are examined in the following subjects:

FOR ALL COURSES.

ENGLISH—1. ENGLISH GRAMMAR AND COMPOSITION. The examination in English Composition consists in the writing of a short essay on a subject announced at the examination, and taken from one of the works prescribed below.* 2. GEOGRAPHY. 3. HISTORY AND CONSTITUTION OF THE UNITED STATES. 4. HISTORY OF THE EASTERN NATIONS, GREECE AND ROME. 5. ELEMENTARY BOTANY, as specified under requirements for the Scientific Course.

MATHEMATICS—ARITHMETIC, including square and cube roots, and the metric system. ADVANCED ALGEBRA, through quadratic equations. GEOMETRY, plane, five books.

In addition to these subjects, candidates for admission to the several courses are examined in special subjects, as follows:

*For 1894, Shakespeare's *Julius Cæsar* and *Merchant of Venice*; Scott's *Lady of the Lake*; Arnold's *Sohrab and Rustum*; the *Sir Roger de Coverly Papers* in the *Spectator*; Macaulay's second *Essay on the Earl of Chatham*; Emerson's *American Scholar*; Irving's *Sketch Book*; Scott's *Abbot*; Dickens's *David Copperfield*.

For 1895, Shakespeare's *Julius Cæsar* and *Twelfth Night*; Scott's *Marmion*; Longfellow's *Courtship of Miles Standish*; Addison's *Sir Roger de Coverly Papers*; Macaulay's second *Essay on the Earl of Chatham*; Emerson's *American Scholar*; Irving's *Sketch Book*; Scott's *Ivanhoe*; Dickens's *David Copperfield*.

FOR THE CLASSICAL COURSE.

LATIN—GRAMMAR, including Prosody (Allen and Greenough). **CÆSAR**, four books; **CICERO**, eight orations; **VERGIL**, four thousand lines. **COMPOSITION**, (Riggs or Daniell.) **ROMAN ANTIQUITIES**, Tighe, Wilkins.

GREEK—GRAMMAR, including Prosody (Goodwin or Allen-Hadley.) **XENOPHON'S ANABASIS**, four books; or the first 111 pages of Goodwin's Greek Reader. **HOMER'S ILIAD**, three books. **COMPOSITION** (Jones entire). **CLASSICAL GEOGRAPHY**.

FOR THE PHILOSOPHICAL COURSE.

LATIN—GRAMMAR, including Prosody (Allen and Greenough). **CÆSAR**, four books; **CICERO**, eight orations; **VERGIL**, four thousand lines. **COMPOSITION** (Riggs or Daniell). **ROMAN ANTIQUITIES**, Tighe, Wilkins.

NATURAL SCIENCE—**ELEMENTARY ZOOLOGY**, **PHYSIOLOGY** and **PHYSICS**.

GERMAN—The reading at sight of easy German prose.

FOR THE SCIENTIFIC AND AGRICULTURAL COURSES.

NATURAL SCIENCE—**BOTANY**, equivalent to Gray's School and Field Book, including the analysis of at least fifty plants; **ELEMENTARY ZOOLOGY**, equivalent to Packard's Brief Course; **PHYSIOLOGY**, equivalent to Walker's; **PHYSICS**, equivalent to Chute's.

LANGUAGE—One year of Latin or German, or satisfactory equivalents.

Real equivalents will always be accepted, and candidates for admission are invited to correspond in advance of the examinations with the Professors in whose departments are found the subjects for which they desire to offer substitutes.

The examinations for admission to College will occur on Tuesday and Wednesday, September 11th and 12th, 1894, and will be arranged as follows:

Tuesday, 9 A. M. English Branches.

Tuesday, 2 P. M. Natural Sciences.

Wednesday, 9 A. M. . . . Latin and German.

Wednesday, 2 P. M. . . . Greek and Mathematics.

Persons intending to take these examinations are reminded of the necessity of carefully observing the

above programme. They are also urged to make special preparation in order to insure success, as a general knowledge of the subjects indicated will not be sufficient.

Attention is called to the Scholarship Prizes for best entrance examinations, which are described hereafter under the head of Prizes.

Testimonials of good moral character may be required whenever the faculty think it necessary. Students from other colleges are always required to produce certificates of honorable dismissal.

Courses of Instruction Arranged According to the Four Collegiate Years:

FRESHMAN YEAR.

CLASSICAL COURSE.

FALL TERM.

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|--------------------------|--|----------|
| 1. <i>Greek.</i> | Course 1. | 4 hours. |
| | Course 2. | 1 hour. |
| 2. <i>Latin.</i> | Cato Maior and Laelius. Latin Composition. | 5 hours. |
| 3. <i>Mathematics.</i> | Solid Geometry and Projective Geometry | 3 hours. |
| | Drawing. | 2 hours. |
| 4. <i>Elocution.</i> | | 1 hour. |
| 5. <i>English Bible.</i> | (Optional.) | 1 hour. |

WINTER TERM.

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|--------------------------|--------------------------|----------|
| 1. <i>Greek.</i> | Course 3. | 3 hours. |
| | Course 4. | 2 hours. |
| 2. <i>Latin.</i> | Livy. Latin Composition. | 5 hours. |
| 3. <i>Mathematics.</i> | Projective Geometry. | 3 hours. |
| | Drawing. | 2 hours. |
| 4. <i>Elocution.</i> | | 1 hour. |
| 5. <i>English Bible.</i> | (Optional.) | 1 hour. |
| 6. <i>Pedagogy.</i> | (Optional.) | 1 hour. |

SPRING TERM.

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|------------------|--|----------|
| 1. <i>Greek.</i> | Course 5. | 3 hours. |
| | Course 6. | 2 hours. |
| 2. <i>Latin.</i> | The Odes of Horace. Latin Composition. | 5 hours. |

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|--------------------------------------|----------|
| 3. <i>Rhetoric.</i> Course 1. | 2 hours. |
| 4. <i>Pedagogy.</i> (Optional.) | 1 hour. |
| 5. <i>Mathematics.</i> Trigonometry. | 3 hours. |
| Drawing. (Optional.) | 2 hours. |

PHILOSOPHICAL COURSE.

FALL TERM.

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|---|--------------|----------|
| 1. <i>Latin.</i> Cato Maior and Laelius. | Latin | |
| | Composition. | 5 hours. |
| 2. <i>German.</i> Course 2, Modern Prose. | | 5 hours. |
| 3. <i>Mathematics.</i> Projective Geometry. | | 3 hours. |
| | Drawing. | 2 hours. |
| 4. <i>Elocution.</i> | | 1 hour. |
| 5. <i>English Bible.</i> (Optional.) | | 1 hour. |

WINTER TERM.

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|---|-------------------|----------|
| 1. <i>Latin.</i> Livy. | Latin Composition | 5 hours. |
| 2. <i>German.</i> Course 3, Comedies. | | 5 hours. |
| 3. <i>Mathematics.</i> Projective Geometry. | | 3 hours. |
| | Drawing. | 2 hours. |
| 4. <i>Elocution.</i> | | 1 hour. |
| 5. <i>English Bible.</i> (Optional.) | | 1 hour. |
| 6. <i>Pedagogy.</i> (Optional.) | | 1 hour. |

SPRING TERM.

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|---------------------------------------|----------------------|----------|
| 1. <i>Latin.</i> The Odes of Horace. | Latin Com- | |
| | position. | 5 hours. |
| 2. <i>German.</i> Course 4, Schiller. | | 5 hours. |
| 3. <i>Rhetoric.</i> Course 1. | | 2 hours. |
| 4. <i>Pedagogy.</i> (Optional.) | | 1 hour. |
| 5. <i>Mathematics.</i> Trigonometry. | | 3 hours. |
| | Drawing. (Optional.) | 2 hours. |

SCIENTIFIC AND AGRICULTURAL COURSES

FALL TERM.

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|--------------------------|--------------------------|----------|
| 1. <i>Mathematics.</i> | Projective Geometry. | 3 hours. |
| | Drawing. | 2 hours. |
| 2. <i>Biology.</i> | | 5 hours. |
| 3. <i>Chemistry.</i> | General and Theoretical. | 2 hours. |
| 4. <i>Elocution.</i> | | 1 hour. |
| 5. <i>English Bible.</i> | (Optional.) | 1 hour. |

WINTER TERM.

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|--------------------------|--------------------------|----------|
| 1. <i>Mathematics.</i> | Projective Geometry. | 3 hours. |
| | Drawing. | 2 hours. |
| 2. <i>Biology.</i> | | 5 hours. |
| 3. <i>Chemistry.</i> | General and Theoretical. | 5 hours. |
| 4. <i>Elocution.</i> | | 1 hour. |
| 5. <i>English Bible,</i> | (Optional.) | 1 hour. |
| 6. <i>Pedagogy.</i> | (Optional.) | 1 hour. |

SPRING TERM.

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|------------------------|------------------------|----------|
| 1. <i>Rhetoric.</i> | Course 1. | 2 hours. |
| 2. <i>Biology.</i> | | 5 hours. |
| 3. <i>Chemistry.</i> | Quantitative Analysis. | 5 hours. |
| 4. <i>Pedagogy.</i> | (Optional.) | 1 hour. |
| 5. <i>Mathematics.</i> | Trigonometry. | 3 hours. |
| | Drawing. | 2 hours. |

SOPHOMORE YEAR.

ALL COURSES.

FALL TERM.

Required.

1. *Rhetoric.* Course 2. 5 hours.

Elective. Student to take 10 hours.

1. *Greek.* Course 7, Demosthenes. 2 hours.
 2. *Latin.* Course 1, Comedy. 3 hours.
 3. *Mathematics.* Courses 3, 4, 5, 6.
 4. *German.* Course 5, Lessing. 2 hours.
 5. *French.* Course 1, Grammar and Reader. 3 hours.
 6. *Zoology.* Course 1, General Morphology
 of Animals. 5 hours.
 7. *Geology.* Course 2. 5 hours.
 8. *Physiography.* Course 1. 1 hour.
 9. *Chemistry.* Quantitative Analysis. 5 hours.
 10. *English Bible.* 1 hour.
 11. *Botany.* Course 1, General Morphology
 of Plants. 5 hours.
 12. *Phsyics.* Courses 1, 2. 5 hours.

WINTER TERM.

Required.

1. *Rhetoric.* Course 3. 5 hours.

Elective. Student to take 10 hours.

1. *Greek.* Course 8, Tragedy. 2 hours.
 2. *Latin.* Courses 1, 2. 3 hours.
 3. *Mathematics.* Courses 3, 4, 5, 6.

4. <i>German.</i>	Course 6, Goethe.	2 hours.
5. <i>French.</i>	Course 2, Intermediate.	3 hours.
6. <i>Zoology.</i>	Course 1, General Morphology of Animals.	5 hours.
7. <i>Geology.</i>	Course 2.	3 hours.
8. <i>Physiography.</i>	Course 1.	1 hour.
9. <i>Chemistry.</i>	Quantitative Analysis.	5 hours.
10. <i>English Bible.</i>		1 hour.
11. <i>Botany.</i>	Course 1, General Morphology of Plants.	5 hours.
12. <i>Pedagogy.</i>		1 hour.
13. <i>Physics.</i>	Courses 1, 2.	5 hours.

SPRING TERM.

Required.

1. <i>History.</i>	Course 1.	5 hours.
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Elective. Student to take 10 hours.

1. <i>Greek.</i>	Course 9, Comedy.	2 hours.
2. <i>Latin.</i>	Course 2.	3 hours.
3. <i>Mathematics.</i>	Courses 3, 4, 5, 6. Higher Mathematics.	
4. <i>German.</i>	Course 7.	2 hours.
5. <i>French.</i>	Course 3, Advanced.	3 hours.
6. <i>Zoology.</i>	Course 1, General Morphology of Animals.	5 hours.
7. <i>Geology.</i>	Course 2.	3 hours.
8. <i>Physiography.</i>	Course 1.	1 hour.
9. <i>Chemistry.</i>	Quantitative Analysis.	5 hours.
10. <i>Botany.</i>	Course 1, General Morphology of Plants.	5 hours.
11. <i>Pedagogy.</i>		1 hour.
12. <i>Physics.</i>	Courses 1, 2.	5 hours.

JUNIOR YEAR.

ALL COURSES.

FALL TERM.

Required.

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|----------------------------|------------|----------|
| 1. <i>English History.</i> | Course 2. | 5 hours. |
| 2. <i>Oratory.</i> | Course 12. | 1 hour. |

Elective. Student to take 10 hours.

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|-----------------------------------|--------------------------|----------|
| 1. <i>Greek.</i> | Course 1, Lyric Poets. | 2 hours. |
| 2. <i>Latin.</i> | Course 3, History. | 2 hours. |
| 3. <i>Mathematics.</i> | Courses 7, 8, 9, 10. | 5 hours. |
| 4. <i>Physics.</i> | Courses 3, 4. | 5 hours. |
| 5. <i>Botany.</i> | Economic. Course 2. | 2 hours. |
| 6. <i>Embryology.</i> | Botanical. Course 3. | 1 hour. |
| 7. <i>Anatomy and Physiology.</i> | Course 5. | 2 hours. |
| 8. <i>Geology.</i> | Economic. Course 3. | 2 hours. |
| 9. <i>Chemistry.</i> | | 5 hours. |
| 10. <i>English Bible.</i> | | 1 hour. |
| 11. <i>English.</i> | Course 4. English Prose. | 5 hours. |

WINTER TERM.

Required.

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|-------------------------------|------------|----------|
| 1. <i>English Literature.</i> | Course 3. | 5 hours. |
| 2. <i>Oratory.</i> | Course 13. | 1 hour. |

Elective. Student to take 10 hours.

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|------------------------|--------------------------------|----------|
| 1. <i>Greek.</i> | Course 11, Rythmic and Metric. | 2 hours. |
| 2. <i>Latin.</i> | Course 3, continued. | 2 hours. |
| 3. <i>Mathematics.</i> | Courses 7, 8, 9, 10. | 5 hours. |
| 4. <i>Physics.</i> | Courses 3, 4. | 5 hours. |

5. <i>Botany</i> . Economic. Course 2.	2 hours.
6. <i>Embryology</i> . Botanical. Course 3.	1 hour.
7. <i>Anatomy and Physiology</i> . Course 5, con.	2 hours.
8. <i>Geology</i> . Economic. Course 3.	3 hours.
9. <i>Chemistry</i> .	5 hours.
10. <i>English Bible</i> .	1 hour.
11. <i>Pedagogy</i> .	1 hour.
12. <i>English</i> . Course 6, English Prose.	5 hours.

SPRING TERM.

Required.

1. *English Literature*. Course 3, continued. 5 hours.

Elective. Student to take 10 hours.

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| 1. <i>Greek</i> . Course 12, The New Testament. | 2 hours. |
| 2. <i>Latin</i> . Course 4, Satirists. | 2 hours. |
| 3. <i>Mathematics</i> . Courses 7, 8, 9, 10. | 5 hours. |
| 4. <i>Physics</i> . Courses 3, 4. | 5 hours. |
| 5. <i>Botany</i> . Course 2. | 2 hours. |
| 6. <i>Embryology</i> . Botanical. Course 3. | 1 hour. |
| 7. <i>Geology</i> . Economic. Course 3. | 3 hours. |
| 8. <i>Chemistry</i> . | 5 hours. |
| 9. <i>Pedagogy</i> . | 1 hour. |

SENIOR YEAR.

ALL COURSES.

FALL TERM.

Required.

1. *Philosophy*. 5 hours.

Elective. Student to take 10 hours.

1. *Latin*. Course 5, Epistolary. 2 hours.
 2. *Higher Mathematics*. Courses 11, 12, 13,
 14, 15, 16. 5 hours.
 3. *Logic*. 3 hours.
 4. *Physics*. Course 5. 3 hours.
 5. *English*. Course 4, English Prose. 5 hours.
 6. *Physiology*. Course 5. 2 hours.
 7. *Entomology*. Economic. 2 hours.
 8. *History*. Course 4. 4 hours.
 9. *Political Science*. Course 6. 5 hours.
 10. *English Bible*. 1 hour.

WINTER TERM.

Required.

1. *Philosophy*. 5 hours.

Elective. Student to take 10 hours.

1. *Latin*. Course 5, continued. 2 hours.
 2. *Higher Mathematics*. Courses 11, 12, 13,
 14, 15, 16. 5 hours.
 3. *Astronomy*. 2 hours.
 4. *Physics*. Course 5. 3 hours.
 5. *English*. Course 5, Prose. 5 hours.
 6. *Physiology*. Course 5, continued. 2 hours.

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| 7. <i>Entomology.</i> Economic. Course 3. | 2 hours. |
| 8. <i>Literature.</i> Course 7, Oriental and Classical. | 3 hours. |
| 9. <i>Political Science.</i> Course 6, continued. | 5 hours. |
| 10. <i>English Bible.</i> | 1 hour. |
| 11. <i>Pedagogy.</i> | 1 hour. |

SPRING TERM.

Required.

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|-----------------------|----------|
| 1. <i>Philosophy.</i> | 5 hours. |
|-----------------------|----------|

Elective. Student to take 10 hours.

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| 1. <i>Latin.</i> Course 6, Less Known Poets. | 2 hours. |
| 2. <i>Higher Mathematics.</i> Courses 11, 12, 13,
14, 15, 16. | 5 hours. |
| 3. <i>Astronomy.</i> | 2 hours. |
| 4. <i>Physics.</i> Course 5. | 3 hours. |
| 5. <i>English.</i> Course 6, Prose. | 5 hours. |
| 6. <i>Entomology.</i> Economic. Course 3. | 2 hours. |
| 7. <i>Literature.</i> Course 7, continued. | 2 hours. |
| 8. <i>Christian Evidences.</i> | 3 hours. |
| 9. <i>Pedagogy.</i> | 1 hour. |

DEPARTMENTS OF INSTRUCTION.

PSYCHOLOGY, ETHICS AND PHILOSOPHY.

The study of Philosophy should begin with the elements of Psychology. The aim is to secure both comprehensiveness and thoroughness. No substantial progress can be made without first carefully considering the mental subject and its functions. The instruction will begin with an investigation of the various forms of mental phenomena.

1. *Psychology.* Mind will be studied in connection with the nervous system and its functions. As far as practicable experimental methods will be employed, but the constant appeal will be to consciousness. Although the course will be taught by the use of a text-book, considerable time will be taken, from the first, in oral instruction. The views of different authors will be compared and criticised. Among the topics considered will be: The Relations of the Soul to Matter; The Faculties, their limitations and correlations; Consciousness, its varieties and products; Classes and Media of Sense-Perceptions; Representation, its nature and forms and relation to habits of thought, speech and action; Thought and thought-knowledge, the nature of the concept and its formation; Products of thought, Judgment, Reasoning, System; Intuition and the relations of intuitive

knowledge; Laws of thought and belief. Required course, Senior year. Five hours a week.

In *Logic* the forms of thought and the different modes of reasoning will be considered.

Ethics. The nature and grounds of obligation will be considered and the grounds of the distinctions of right and wrong, of virtuous and sinful actions; Functions of Conscience; Moral Judgment; Relation of the Will of God to Moral Judgment; the Will of God, how made known; Relation of Benevolence to the various virtues and vices; Government; Rights and Duties and their correlation,—Love the substance of both; Duties to God; Duties to Man; Relations of the sexes; Civil Society with its rights and obligations; Rights—Life, Liberty, Reputation, Property; Duties—Self-culture, Fidelity, Veracity. Required course, Senior year, following the Psychology. Five hours a week.

Theism. The Personality of God and Man; Arguments for the being of God; Anti-Theistic Theories; Pantheism, Positivism, Materialism, Agnosticism.

Evidences of Christianity. Prophecy; Miracles; Character of Christ; Nature of His Doctrines; Character of the Apostles; The Credibility of the Witnesses; The Spread and Effects of the System; Contrast with other Religions; Settlement of the Canon; Harmony with Modern Science.

PHILOSOPHY.

Philosophy investigates essential natures and first principles and causes. Hence the philosophic exercises of the mind are characteristically conversant about Real being. Being is that which truly is and

exists. And, therefore, Being is that which underlies and effects all the phenomena of the visible world.

Philosophy affirms Being to be a subject of immediate and verifiable human knowledge; that Being is the source and cause of all apparent life and motion and form in visible Nature, and a subject equally and truly as knowable as its phenomena.

The method of Philosophy is psychologic.

(1.) The psychologic and philosophic ground of all knowledge is found in the constitution of the Soul.

(2.) Man is related through and by means of consciousness to Matter and Mind and Deity. Hence man is capable of knowledge in each of these subjects.

(3.) The Doctrine of Consciousness—it is the ground and condition of all knowledge whatever.

(4.) The scientific and philosophic principles of the Soul in which it is related to Material nature, to Mind, and to Deity.

(5.) The scientific and philosophic proofs of the doctrine of the Immortality of the Soul.

(6.) The microcosmic constitution of man as the ground of the universal range of his capabilities of knowledge.

(7.) Nature—The differentiation of Mind and Matter, considered apart and in relation. The life principle is the active element, and the material principle is the passive and instrumental element; and a certain orderly conjunction of the vital with the material element is the fact of organization.

(8.) The Philosophy of Conscience, of Faith, of Knowledge, and of Law, as topics illustrative of the

principles and the argument. The limit of this notice necessarily precludes intelligible outlines.

From this point of view of Real Being, essentially and relatively identified, the course in Philosophy is intended to exercise the mind in the analytic and contemplative speculation and review of the Sciences, Physical, Metaphysical, and Theistic, and in the philosophic comprehension of all the sciences as they unite in a manifest and knowable First Cause.

The course will consist, for the present, of about thirty-five lectures, to be delivered to the Senior class during the several terms of the Senior year. Required course.

HISTORY, LITERATURE AND ECONOMICS.

History enables the student to appropriate the wisdom and the experience of preceding ages. The aim of the instruction in this department is first to furnish the general information that is necessary for intelligent citizenship and the demands of social life, and second to give such training as will be valuable to students who are looking forward to the profession of Law or Journalism. In history the courses offer in connection with the Preparatory courses a somewhat comprehensive study of events from the beginning of Greek civilization down to the present time. As far as practicable the work is intended to be continuous.

In Literature we trace the growth and structure of language and the causes of variation. English Literature is studied in its historic evolution. The aim is to teach a student how to study the best produc-

tions of the best authors and to acquaint him with the resources of English Literature and the phases of history and social life which it illustrates. It is considered important that students should attain to a sympathetic appreciation of the literature itself rather than devote their time and study to incidental and extrinsic features.

Political science is studied not only in its abstract relations, but as connected with sociology and ethics.

In production, the student's attention is directed to its factors—the forces of nature, capital and labor. The distribution of the product, and the laws which regulate this distribution are then considered. Following distribution comes exchange. Should it be free or taxed; and, if taxed, for what purpose, and to what extent? Consumption, both productive and destructive, with charities, subsidies, free education, and public works, receive due attention. The laws of God which apply to society, of which our Federal Constitution is the best statement, are then taken up and considered. The origin and history of the Constitution; its amendments; its development by legislation, and by judicial decisions, and its adaptability to all future needs are thoroughly impressed upon the student.

REQUIRED STUDIES.

The required studies of the College Course in History and Literature are:

1st. A course in General History during the third term of the Sophomore year. It begins with "The Migration of the Nations" in the 4th century. The

text will be Prof. Fisher's Outlines, and frequent synopses and discussions, in writing, will be required.

2d. English History will be studied in the text of Gardiner's Student's History during the Fall term of the Junior year. A previous knowledge of Ancient and Mediæval History will be assumed, and the benefits of the study, as well as its necessity, will be felt in the subsequent studies of Political Science and of English Literature. Frequent papers and discussions will be called for in the course of this study.

3d. English Literature, including American authors, will be the third of the required studies of this course, and will continue daily during the second and third terms of the Junior year. The study will consist of an analysis of writings and a comparative estimate of their merit and influence. Certain authors will be selected for more critical study, and students will be called upon for original reviews and criticisms.

ELECTIVE STUDIES.

4th. An elective course in History from 1848 to 1890 will be offered to those who have taken Ancient, Mediæval and all previous Modern History. It will occupy three hours per week, and will consist of lectures, examinations and papers on prescribed topics. This will continue during the Fall term.

5th. An elective course in Anatomy and Physiology will be offered to those who have previously attended courses in Physics and in Chemistry. These will occupy two hours each week during the first and second terms. The examinations will be conducted

on the basis of lectures, and on Martin's Human Body—Briefer Course—as a text.

6th. An elective course in Political Economy and in Political Science—using Newcomb, and Sterne's Development of the Constitution as texts—will be offered to those who have previously taken the courses in History. This will continue through the first and second terms, five hours each week. Papers and discussions on prescribed topics will be frequently called for.

7th. An elective course in Oriental and Classical Literature will be offered during the second term, three hours each week, to those who have previously taken the courses in History and in English Literature. This course will be continued during the third term two hours per week. Written and extempore discussions will be frequently called for.

8th. An elective course will be offered to members of the Senior class, three hours each week, in Evidences of Christianity, during the third term.

THE LATIN LANGUAGE AND LITERATURE.

The work in Latin is intended to give to the student a thorough knowledge of the structure of the language and such an acquaintance with Roman history, antiquities and literature as will lead to a correct idea of the influence of Roman life and thought upon our own civilization. The work is partly required and partly elective. The required work includes five recitations weekly for one year. In addition to this the student may elect the equivalent of seven hours weekly for a second year. The college library and

that of the instructor contain the best critical editions, commentaries, monographs and works of reference. Students who have completed the course have taken high rank in the universities, and have made successful teachers.

THE REQUIRED WORK:—The attention of the student in the required work of the Freshman year (see pages 14 and 15) is directed chiefly to the structure of the Latin sentence and the subject of Latin style, as illustrated in the portions of Cicero, Livy and Horace read in the class room, and as developed by weekly exercises in Latin composition, and by constant practice in reading at sight and in the order of the original. The text books used in this course in the year 1894-95 will be Kelsey's Cicero's Cato Maior and Laelius, Greenough's Livy I. and II., Chase's Horace, Simpson's Cæsarian Prose, Allen & Greenough's grammar and Lewis's dictionary.

THE ELECTIVE WORK:—In the elective work the study of Roman literature is made prominent. Selections are read from a wide range of authors from Plautus to Suetonius. Topics for special study are assigned and lectures given from time to time by the instructor. For the year 1894-95 the following courses are offered:

1. Latin Comedy: The Trinummus of Plautus and Phormio of Terence. Three hours weekly through the first half year; open to any who have taken the required work.

2. Latin Philosophy: Selections from Lucretius, Cicero's De Officiis, and Seneca. Three hours weekly through the second half year.

3. Latin History: Selections from Cæsar, Nepos, Sallust, Tacitus, Suetonius. The Development of Historical composition. Two hours weekly through the first half year; open to Juniors and Seniors.

4. Latin Satire: Selections from Horace, Juvenal and Persius. Two hours weekly through the second half year.

5. Epistolary Latin: Selections from the correspondence of Cicero, Pliny and Seneca. Two hours weekly through the first half year; open to Sophomores, Juniors and Seniors.

6. The less known poets: Selections from Catullus, Ovid and Martial. Two hours weekly through the second half year, the complement of course 5.

MATHEMATICS.

The work of this department is planned for three things: To give an opportunity to students near their home for thorough training in Mathematics preliminary to a course in Engineering or Architecture; to give students intending to make Mathematics a specialty a chance to do their work preliminary to a course for Ph. D.; to offer each year a complete course of one year's length to those wishing Mathematics as one line of a liberal education. The work of each year covers the three great lines of Mathematics: Pure Mathematics, Concrete Mathematics, and Applied Mathematics. Each year is made to advance the student to a higher stage of the subject, so that he not only advances in knowledge of the subject, but his horizon widens. The following conspectus sets forth succinctly the whole plan of the work:

FIRST YEAR.

1. (a) Solid Geometry. (b) Projective Geometry. (c) Trigonometry.
2. Drawing.

SECOND YEAR.

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| 3. Coordinate Geometry. | 5. Theory of Quantics. |
| 4. Calculus. | 6. Mensuration. |

THIRD YEAR.

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| 7. Surveying. | 9. Quaternions. |
| 8. Engineering. | 10. Advanced Geometry. |

FOURTH YEAR.

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| 11. Modern Algebra. | 14. Theory of Numbers. |
| 12. Theory of Functions. | 15. Advanced Geometry. |
| 13. Differential Equations. | 16. History of Mathematics. |

Not all this work may be had in one year, but it is all available within any two years. A student confining his electives to Mathematics can thus do all that can be done in four years.

The methods of instruction are adapted to the subject. The student is taught that it is the most powerful instrument of research known to modern science, and he must master it as an instrument of research. Mathematical insight, intuition, is developed to the utmost. All solutions, exercises and demonstrations must be concise, accurate, direct, and well planned. Mere formulas and formal procedures are made little of. The student is encouraged to think, to invent, to interpret results into words, and to criticise methods.

A knowledge of French and German is desirable for the more advanced courses.

COURSES IN DETAIL.

1a. *Solid Geometry: Hayward.* The concept of space and the fundamental postulates about it are

made clear, and the chief properties of solids developed. Fall.

1b. *Projective Geometry: Jones and Hathaway.* Giving the theories of cross-ratios, transversals, projections, reciprocal polars, inversion, conic sections, and especially developing the differences between metric and graphic geometry. A very essential course preliminary to advanced work. Fall and Winter.

1c. *Trigonometry: Oliver, Wait, and Jones.—Jones's Tables.* Practical numerical computations of triangles, and an introduction to the theory of simple periodic functions, and the use of complex Algebra. Spring.

Sub-courses 1a, 1b, 1c, make course 1, counting 3-5 or 3 hours.

2. *Mechanical Drawing: Faunce, and Thompson.* Developing the principles of orthographic and isometric projections and perspective, parallel, angular, and oblique. The course has many problems of a practical nature leading towards more difficult ones in architecture and engineering. Two-hour course.

3. *Coordinate Geometry: W. B. Smith.* Develops the use of rectangular, polar, oblique, and trilinear coordinates, and their application to geometrical problems on the straight line, circle, ellipse, parabola, hyperbola, plane, and quadric surface, and the analytical expressions for cross-ratios, anharmonic ratios, etc. It is quite essential to a beginning in the modern analytic geometry. Two-hour course. Requires course 1.

4. *Infinitesimal Calculus: Byerly.* Develops methods of finding derivatives and integrals, and applications to continuous functions, and to geometry, mechanics and physics. Much practical work is given as it is needed to make this course take its intrinsic high rank. Three-hour course. Requires courses 1 and 3.

5. *Theory of Quantics: Burnside and Panton.* A course in the properties of rational integral algebraic functions of one variable and homogeneously of two variables; determinants, symmetric functions of the zeros; seminvariants, invariants, covariants, with examples from binary quantics. Four-hour course. Requires course 1.

6. *Mensuration: Halsted.* Metric Geometry of a high order, with many numerical problems on lines, angles, surfaces and solids. One-hour course. Requires course 1a.

7. *Surveying: Carhart.* Application of trigonometry to problems of plain surveying; laying out tracts, division of lands, county surveying, location of boundaries, and survey of the public lands, including levelling, city surveying, and mining surveying. It includes a thorough course in the care and adjustment of instruments. Two-hour course. Requires course 1.

8. *Engineering: Carhart's Field-Book.* Practical field-work in laying out a railroad, building switches, crossings, culverts, earthwork, etc. Two-hour course. Requires course 1.

9. *Quaternions: Kelland and Tait.* Develops

the principles of this powerful algebra and applies it to problems of the conic sections and to homogeneous strains. Three-hour course. Requires course 1.

10. *Advanced Geometry: Salmon.* Portions of Salmon's Conics, Higher Plane Curves, and Geometry of Three Dimensions. A very extensive course, leading out into the highest developments of modern mathematics. Three-hour course. Requires courses 1, 2, 3, 4 and 5.

11. *Algebra of Linear Transformations: Salmon.* An extension of course 5, in invariants, covariants, contravariants, emanants, evectants, etc. Two-hour course. Requires courses 1, 4 and 5, and possibly 10.

12. *Theory of Functions: Lectures.* Treating of the functions of a real variable and of those of a complex variable, in an elementary way. Reference-readings are given, for many of which French and German are necessary. The course is to open the student's way to the larger treatises, as Dini, Forsythe, etc.

13. *Differential Equations: Forsythe.* Solutions of derivative equations reducible to standard forms, linear equations, solutions by series, etc. Essential to all work in universities in physics. Three-hour course. Requires courses 1, 3, 4 and 5.

14. *Theory of Numbers: Lectures.* Elementary course preparatory to post-graduate work. Two-hour course.

15. *Non-Euclidean and Absolute Geometry: Frisch-auf, and Killing.* This course places Euclid's geometry in its proper relation with other possible geome-

tries, and enables the student to enter his post-graduate work well prepared. Two-hour course.

16. *History of Mathematics: Cajori.* "The history of mathematics is important as a valuable contribution to the history of civilization. Human progress is closely identified with scientific thought. Mathematical and physical researches are a reliable record of intellectual progress. The history of mathematics is one of the large windows through which the philosophic eye looks into past ages and traces the line of intellectual development." Three-hour course. Open to all students.

SURVEYING EQUIPMENT.

This equipment consists of a first-class surveyor's transit by Gurley, a delicate level by Buff and Berger, Philadelphia rod, 100-ft. steel tape, 66-ft. chain, flags, pins, etc. The work is noted in regular field-books used by engineers, from Keuffel and Esser. All results are plotted. Special attention is given to taking the instruments to pieces and cleaning them, adjusting them, etc. The field work consists of at least three hours per week throughout the year.

PHYSICS.

The department of Physics is complementary to that of Mathematics. It offers a field for the practical application of whatever mathematical skill the student may possess. It offers aside from this a training in eye, ear, and hand, and in manipulation of apparatus, indispensable to a student of science. The work is both general and special. The courses of

the first year's work give a broad survey of the whole field, theoretically and experimentally. Those of the second year carry the work to a higher plane of investigation, and those of the third year open the way to post-graduate study. Students intending to take courses in Architecture and Engineering are urged to take this thorough preparation before going to special schools.

COURSES IN DETAIL.

SOPHOMORE YEAR.

1. *General Physics: Barker.* Three-hour course. Requires Math. 1.

1a. Fall Term.

Mass-Physics	{	Kinematics.
		Dynamics.
		Work and Energy.
		Attraction and Potential.
		Properties of Matter.
		Mass-vibration: <i>Sound.</i>

Molecular-Physics—Molecular Kinetic Energy: *Heat.*

1b. Winter Term.

Ether-Physics	{	Energy of Ether-Vibration: Radiant Energy—
		<i>Light</i>
		Energy of Ether-Stress: <i>Electrostatics.</i>

1c. Spring Term.

Ether-Physics	{	Energy of Ether-Vortices: <i>Magnetism.</i>
		Energy of Ether-Flow: <i>Electrokinetics.</i>
		Electromagnetic Theories.

This course embraces a full study of all branches of Physics, especially the recent developments in electricity, and recent inventions. It is especially necessary as the essential foundation of any work depending upon Physics.

2. *Laboratory Measurements: Whiting.* Two-hour course. Requires Math. 1 and Phys. 1.

2a. Measurements relating to Density, Dynamics, Sound, and Heat.

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| 1. Direct measurement of density. | 11. Cohesion. |
| 2. Use of Nicholson's hydrometer. | 12. Work. |
| 3. The balance. | 13. Interference of sound. |
| 4. Density of solids. | 14. Resonance. |
| 5. Density of liquids. | 15. Musical intervals. |
| 6. Density of gases. | 16. Measurement of time. |
| 7. Length. | 17. Coefficients of expansion. |
| 8. The pendulum. | 18. Temperature. |
| 9. Force. | 19. Boiling and melting points. |
| 10. Elasticity. | 20. Calorimetry. |

2b. Winter Term. Measurements relating to Radiation and Electrostatics.

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| 21. Radiation. | 25. Prisms. |
| 22. Photometry. | 26. Refraction. |
| 23. Focal lengths. | 27. Wavelengths. |
| 24. The sextant. | 28. Electrostatics. |

2c. Spring Term. Measurements relating to Magnetism and Electrokinetics.

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| 29. Magnetic poles. | 38. Electro-chemical methods. |
| 30. Magnetic forces. | 39. Ammeters. |
| 31. Magnetic moments. | 40. Electrical resistance. |
| 32. The magnetometer. | 41. Wheatstone's bridge. |
| 33. Distribution of magnetism. | 42. Electromotive force. |
| 34. Magnetic dip and earth inductor. | 43. Voltmeters. |
| 35. Galvanometers. | 44. Electric motors. |
| 36. Galvanometer testing. | 45. Dynamos. |
| 37. Dynamometer. | 46. Advanced experiments. |

JUNIOR YEAR.

3. *Astronomy and Astrophysics: Young.* Two-hour course. Requires Math. 1; Phys. 1, 2.

3a. Fall Term.

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| 1. The sphere. | 6. The earth's motion. |
| 2. Astronomical instruments. | 7. The moon. |
| 3. Observations. | 8. The sun. |

4. Problems of practical astronomy.
5. The earth.
9. The sun's light and heat.

3b. Winter Term.

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| 10. Eclipses. | 13. Planets' motions. |
| 11. Central forces. | 14. Planets. Minor planets. |
| 12. Problem of three bodies. | 15. Major planets. |

3c. Spring Term.

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| 16. Sun's parallax. | 19. Stars. |
| 17. Comets. | 20. Light of the stars. |
| 18. Meteors. | 21. Aggregations of stars. |

4. *Advanced Physical Measurements: Stewart and Gee.* Three-hour course. Requires Math. I; Phys. I, 2.

4a. Fall Term.

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| 1. Measurement of length. | 6. Elasticity, tenacity, capillarity. |
| 2. Angular measurements. | 7. Atmospheric pressure. |
| 3. Estimation of mass. | 8. Time, gravitation, moments of inertia. |
| 4. Measurement of area and volume. | 9. Discussion of all results, method of least squares. |
| 5. Determination of density. | |

4b. Winter Term.

1. Electrostatics.
2. Magnetism.—Magnetic field; action of magnet on a magnet; determination of H and M; effect of temperature; Distribution of magnetism.
3. Voltaic Electricity.—Fundamental experiments; electroplating; galvanometers; Figure of merit of galvanometer; comparison of electromotive forces; Proof of Ohm's law; Wheatstone's bridge; Calibration of galvanometer.
4. Measurement of Resistance.—Box of coils; Differential galvanometer; Slide bridge; Low resistance; High resistance; Resistance of batteries and electrolytes.
5. Tangent Galvanometer.—Battery resistance; Wire resistance; Electromotive force; Galvanometer constants; Joule's law; Potential galvanometer.

4c. Spring Term.

1. Magnetic Elements.—Magnetic inclination; Time of vibration; Deflections; Declination; Geographic meridian.

2. Electromagnetism and Electromagnetic Induction.—Action of a linear and a circular current on a magnet; Proof of electromagnetic laws; Solenoid; Laws of electromagnet; Induction experiments; Self-induction; Damping; Resistance of magneto-inductor; Earth inductor; Magnetic fields; Coefficient of self-induction; comparison of self and mutual induction coefficients.
3. The Condenser.
4. The Electrometer.
5. Wheatstone net. Electrical units. Miscellaneous.

SENIOR YEAR.

5. *Mathematical Physics*. The particular work taken is left to the option of the class. Some such work as Preston's Theory of Light is the basis of the work. Three-hour course. Requires Phys. 1, 2, 3, 4; Math. 1, 2, 3, 4, 9, 13.

6. *Advanced Measurements*. Two-hour course. Requires Math. 1, 2, 3, 4, 9, 13; Phys. 1, 2, 3, 4, 5.

PHYSICAL LABORATORY.

The laboratory is equipped with desks for students, lecture room, sink, water, gas, electricity, work shop, and lantern. The apparatus includes a large quantity of lecture apparatus, and a good supply of instruments for quantitative work in mechanics, heat, light, magnetism and electricity. The instruments of precision include a Browning spectrometer reading to minutes; diffraction grating by Rowland, separating the E line; micrometer calipers, micrometric attachments with large microscope; quantitative balance; astatic galvanometer and thermopile; spherometer; large polarimeter; sextant and optic circle reading to $7\frac{1}{2}$ seconds; galvanometers of tangent, sine, Helmholtz-Gauguin, Weidemann, vibration mirror, and Dupres-D'Arsonval types; Bunsen ice calorimeters;

cathetomer; resistances; Atwood machine; piezometer; government standard barometer; Wollaston goniometer; electromagnet for diamagnetic work; small electric motor; Coulomb balance; magnetometer; quadrant electrometer; resistance box and bridge, and others. New pieces are added yearly, and many are constructed, so that the equipment is thoroughly modern and complete. It is the intention to give a thorough course in experimental work, such as is required for graduation in any technical school.

THE GREEK LANGUAGE AND LITERATURE.

I. HOMER'S ODYSSEY.

In this course a thorough knowledge of Homeric forms and a fair knowledge of the Homeric vocabulary are pre-supposed. Attention is therefore directed less to merely grammatical work and more to rapid reading and translation. From eight to ten books of the Odyssey are read—large portions of them at sight—and a just appreciation of their literary value is diligently sought. Freshman required course, four hours a week. Fall term.

2. GREEK MYTHOLOGY.

This course is intimately associated with course I, and is supplementary to it. Topics suggested by the reading of Homer receive full consideration. A systematic and thorough study of the subject is made by the use of text-books, supplemented by lectures whenever necessary.

Freshman required course, one hour a week.
Fall term.

3. HERODOTUS.

Familiarity with the style and matter of Herodotus is the object mainly sought. Peculiarities of form are carefully noted and studied. Book IX, Schuckburgh's edition, is read with due consideration of the history of the period. In addition a thorough review is made of portions of Goodwin's grammar. Freshman required course, three hours a week. Winter term.

4. GREEK PROSE COMPOSITION.

The translation of passages based upon the text of Herodotus constitutes the principal work of this course. Both oral and written exercises are required. Freshman required course, two hours a week. Winter term.

5. PLATO.

The *Apology* and *Crito* of Plato are read, and in connection with them many passages from other works which bear upon the subjects treated. A brief outline of the History of Philosophy is also given. Freshman required course; three hours a week. Spring term.

6. XENOPHON.

The *Memorabilia* is read in connection with the *Apology* and *Crito* that the character of Socrates may be studied from the standpoint of Xenophon as well as Plato. The literary qualities of Xenophon are also duly considered, selec-

tions from the most noteworthy and beautiful passages being read. Freshman required course, two hours a week. Spring term.

7. DEMOSTHENES.

The translation of the *Philippics* is accompanied by the study of the history of the time, of the Athenian financial and military systems, and of the Athenian legislative bodies. The style of Demosthenes is the subject of careful study, several orations being analyzed and discussed as masterpieces of eloquence. Parts of Jebb's *Attic Orators* and *Primer of Greek Literature* are assigned for collateral reading. Elective course, two hours a week. Fall term.

8. TRAGEDY.

Selected plays of Euripides are read. The origin and development of the drama, its structure in its perfected form; the Attic theatre, its construction, its maintenance, its place in the public and private life of the Athenians, are among the subjects treated by lecture, and also assigned to the student for special investigation. Elective course, two hours a week. Winter term.

9. COMEDY.

The Clouds of Aristophanes is made the basis of a study of the Greek Comedy, its history, form, and influence. The bearing of this drama upon Philosophy, and especially upon that of Socrates, is discussed. Representative passages from other comedies are also read. Elective course, two hours a week. Spring term.

10. LYRIC POETS.

The object of this course is to give some familiarity with a form of poetry not ordinarily included in the study of Greek literature. Selections are read from the best Elegiac, Iambic and Melic poets, such as Theognis, Mimnermus, Xenophanes, Sappho, Alcaeus, and Anacreon. Elective course, two hours a week. Fall term.

11. RYTHMIC AND METRIC.

A course in *Schmidt's Introduction to the Rythmic and Metric of Classical Languages* is offered for those desiring to pursue this subject further than can be done by the use of the grammar and ordinary text book. Elective course, two hours a week. Winter term.

12. THE NEW TESTAMENT.

An introduction to Hellenistic Greek is gained through a course of reading in the Greek Testament. Comparisons with Classical Greek are made, and differences in form and construction noted. One of the Pauline Epistles is read critically, and one of the Gospels at sight. Lectures are given upon the manuscripts of the New Testament. Elective course, two hours a week. Spring term.

MODERN LANGUAGES.

GERMAN.

Courses 2, 3 and 4, are open to all students who are able to read at sight simple German prose; they are required of all Philosophical Freshmen. The

works read vary from year to year, but for the ensuing year are as detailed below. An effort is made to give some familiarity with the classic works of Schiller, Goethe and Lessing, as well as the best representatives of contemporary German literature.

In addition to the works specified, others adapted for sight reading are used as opportunity offers. For those desiring to use German in scientific studies, a course of reading in Scientific German is given. While every recitation is to a large degree an exercise in the conversational use of German, a separate course is devoted to this subject in connection with the work of the Freshman year, in case a sufficient number of students desire it.

COURSE 1. Elementary German. This course is designed for classical students and for others who have had an equivalent training in language enabling them to do the rapid and thorough work required. It is proposed to accomplish by this three-fifths course what is ordinarily accomplished by the full preparatory course in German. Elective course, three hours a week. The entire year.

COURSE 2. Nineteenth Century Writers. Selections are read from the prose of Heyse, Storm, Stifter and others. Freshman required course, five hours a week. Fall term.

COURSE 3. Comedies. This course affords an introduction to German comedy, and is also valuable as giving an acquaintance with many modern colloquialisms. Selections from other comedies may also be read. Freshman required course, five hours a week. Winter term.

COURSE 4. Schiller. A study is made of one or more of the less difficult of Schiller's plays. Freshman required course, five hours a week. Spring term.

Courses 5, 6, 7, 8 are open to all who have taken the preceding courses or their equivalent.

COURSE 5. Lessing. Minna von Barnhelm or Nathan der Weise. Elective course, two hours a week. Fall term.

COURSE 6. Goethe. Torquato Tasso. Elective course, two hours a week. Winter term.

COURSE 7. Scientific German. Gore's German Science Reader. In addition to the selections contained in this reader, use may be made of Scientific Monographs. Elective course, two hours a week. Spring term.

COURSE 8. German Literature. A course in the General History of German Literature, consisting of readings, of investigations upon topics assigned, and of lectures. Elective course, two hours a week. Spring term. This course alternates with course 7.

FRENCH.

I. ELEMENTARY COURSE.

Edgren's French Grammar, Part I., containing an outline of French pronunciation and accidence, with a few simple rules in syntax. This is followed by the reading of easy prose selections from Super's Reader in connection with the more critical study of forms and syntax is pursued in Part II. of the grammar. Thorough drill in translation from English into French is

given. Elective course, three hours a week. Fall term.

2. INTERMEDIATE COURSE.

The main object of this course is to give practice in rapid reading. For this purpose, selections are made from the works of the most entertaining authors. The study of composition is carried on by the use of Grandgent's *Materials for French Composition*. Elective course, three hours a week. Winter term.

3. RACINE AND MOLIERE.

Racine's *Esther* and Moliere's *Le Bourgeois Gentilhomme* are read. In addition to these works, others of a simpler nature are assigned for private reading. Elective course, three hours a week. Spring term.

PEDAGOGY.

The aim of the course in Pedagogy is to give the student a knowledge of the history of education, of the lives and methods of noted educators, of mental processes and the laws relating to mental growth and the development of mental power, and to assist in the formation of just opinions on theories and methods of teaching, and of school management. Compayre's *History of Pedagogy* and Compayre's *Lectures on Teaching* will be used as text books, and these books will be supplemented by lectures, by suggested collateral reading, and by class discussions of methods of teaching and systems of education.

The course is one hour a week through the second

and third terms, and is open to all students of the college.

ENGLISH BIBLE.

A systematic course of study in the English Bible is offered each year, open to all students of the college. The purpose contemplated is to give a good general knowledge of the character and contents of the Scriptures, using the Bible as the text book, and supplementing it by lectures and suggested collateral reading. The course is one hour a week through the first and second terms, and will be continued progressively from year to year, so as to give a complete study of both the Old and New Testament in the four collegiate years.

Course 1. From the Creation to the Division of the Jewish Kingdom.

Course 2. From the Division of the Jewish Kingdom to the Birth of Christ.

Course 3. The Life of Christ, and the Establishment of the Christian Church.

Course 4. The books of the Old and New Testaments.

Course 1 will be given in 1894-95.

RHETORIC AND ELOCUTION.

COURSES 1, 2, 3.

Rhetoric. The required work in Rhetoric extends over one year. The first term is given to Style; the second to the simpler forms of Invention: Description, Narration and Exposition; the third to the more elaborate forms, Argumenta-

tion and Persuasion, and to the principles of English Versification. The course is arranged throughout for its practical benefit, especially as a drill in criticism and in original writing. While text-books are used, the bulk of the work consists of first-hand criticism of standard authors, and of original themes. Besides frequent shorter exercises to illustrate special points of the study, through the last two terms the student writes each week one theme of six to eight hundred words on some assigned subject. These themes are corrected, discussed in the class, and returned. Text-books: Genung's *Practical Elements of Rhetoric*, Genung's *Handbook of Rhetorical Analysis*, Gummere's *Handbook of Poetics*. Full course. Spring term Freshman year. Fall and Winter terms Sophomore year.

COURSE 4.

Chaucer and Early English. This course traces briefly the history of Early English from the Norman Conquest, but gives attention chiefly to Chaucer and Gower as illustrating the first great period of the English Language. The study of both authors will be largely linguistic. Special attention will be given to early forms of prose. Elective, Juniors and Seniors. Full course. Fall term.

COURSE 5.

English Prose from the Sixteenth to the Nineteenth Century. This course traces the development of English prose style down to the present

century. Six or seven authors will be studied minutely as illustrating the different periods. The work will be given in the form of lectures and assigned readings, with essays from time to time. Text-books: Minto's *Manual of English Prose*, Garnett's *English Prose from Elizabeth to Victoria*. The course is open to Juniors and Seniors who have passed in course 4. Full course. Winter term.

COURSE 6.

English Prose in the Nineteenth Century. This is a continuation of course 5, and the same methods and same text-books will be used. Open to Juniors and Seniors who have had course 5. Full course. Spring term.

Alternating with courses 4, 5, and 6, which trace the history of English Prose, are three courses, 7, 8, and 9, which present a similar study of the English Drama. In 1894 courses 4, 5, and 6 will be given.

COURSE 7.

Elizabethan Dramatists. Course 7 deals with the origin of the Drama in England, and with the writings of some of the Elizabethan dramatic poets. It is designed both as a study of the Elizabethan period and as a setting for Shakespeare. Lectures, critical readings, and thesis. Open to Juniors and Seniors who have passed in courses 1, 2, 3. Fall term. Full course.

COURSE 8.

Shakespeare. Two of the plays, a tragedy and

a comedy, will be studied in the class, and other plays will be assigned for collateral reading. This course is open to Juniors and Seniors who have passed in courses 1, 2, 3. Winter term. Full course.

COURSE 9.

Tennyson and Browning. A study of their work and their influence. Open to Juniors and Seniors who have had courses 7 and 8. Spring term. Full course.

The work in Elocution and Oratory is designed to build up the voice and cultivate a natural and direct style of speaking. All the work is required.

COURSES 10 AND 11.

Practical Elocution. The work consists of individual drill in declamation, the range of selections studied being wide enough to give practice in the different styles of speaking. Lectures on the principles of Elocution will be given from time to time. Fall and Winter Terms. Freshman year. One-fifth course.

COURSES 12 AND 13.

Oratory. The work in these courses consists of individual drill in preparation and delivery of orations, and partly of lectures on noted English and American orators. Fall and Winter terms. Junior year. One-fifth course.

SCIENCES.

The object of the science work is to familiarize the student with typical forms of both animal and

vegetable life, and forms related to these, in such a manner as to bring out the law of evolution in nature, with all its corollaries. A systematic note-book is kept in each line of work, showing observations, experiments and results.

The greatest benefit any student derives from this work is system and order of thought as well as keenness of observation. He must, in order to succeed, learn to grasp numerous details, trace the threads of law in them, and catalogue them where they belong.

These courses in text, references, and laboratory training prepare students first of all to be wide-minded, careful thinkers; but they also prepare for special work in the technical schools in Botany, Zoology, Biology, Chemistry, and Geology; they are especially well adapted to students intending to go to medical schools, and for those fitting themselves for science teaching, either in high school or college. The courses designed especially for agricultural students are of great practical importance.

EQUIPMENT.

The College is well equipped with Bausch and Lomb microscopes, in number sufficient to supply each pair of students. Proper material for preparing and mounting histological slides is kept constantly on hand. A large Bullock microscope, with micrometer adjustments and Zeiss objectives, is used for the finest work, as in Bacteriology.

The chemical laboratory possesses the usual equipment, accommodating twenty students with individual desks.

A large list of reference books is at the command of the student, including a complete set of Smithsonian Contributions, Miscellaneous Collections and Reports, a full set of the American Journal of Science, and various other valuable reports from the Coast and Geodetic Survey, the Geological Survey, the Ethnological Reports, and Natural History Surveys.

Constant additions are made to apparatus and books; current periodicals are kept on file, as Science, American Naturalist, American Journal of Science, Astronomy and Astro-Physics, Botanical Gazette, Microscopical Gazette, etc.

COURSES IN DETAIL.

BIOLOGY.

1. *Elementary Biology: Parker.* A course of text-book work, beginning with lowest forms and surveying the whole field. Two hours.
2. *Elementary Practical Biology: Huxley and Martin.* A course of laboratory work daily throughout the year. It supplements course 1. Three hours. Courses 1 and 2 are required of Scientific Freshmen.

BOTANY.

1. *General Morphology and Classification: Goebel.* This work begins with classification of Compositae and Ferns, followed by the text-book. There will be two recitations weekly and ten hours laboratory work weekly. Five hours. Requires Biology 1, 2.
2. *Histology of Plants: Hillhouse and Strasburger.* A course of thorough microscopic investigation of

plants. Slides are prepared, and the structure of cells of all parts thoroughly examined. Three recitations weekly and ten hours laboratory work weekly. Five hours. Requires Biology 1, 2.

3. *Economic Botany: DeBary.* A course in the study of useful plants and their culture. Three hours.

4. *Embryology of Plants.* Lectures and laboratory work on the development of the plant embryo. Two hours. Requires Biology 1, 2.

5. *Physiology of Plants: Vines.* A study of the functions of the parts of the plant, and the life-history of the plant. Five hours. Requires Biology 1, 2.

ZOOLOGY.

1. *General Morphology and Classification: Claus and Sedgwick, and Jordan's Manual of Vertebrate Classification.* A study of forms of animals and the principles of their classification. The laboratory work will involve much study of animals and careful descriptions. Five hours. Requires Biology 1, 2.

2. *Histological Zoology: Schaefer.* A careful study of animal tissues, methods of mounting, staining, recognition of cells, etc. Especially valuable for medical students. Five hours. Requires Biology 1, 2.

3. *Economic and Systematic Entomology: Smithsonian Reports.* A thorough study of useful and noxious insects, their habits, diseases, etc., with a study of insect classification. Three hours.

4. *Comparative Embryology:* Lectures. This course consists of lectures on vertebrate embryology, including human embryology, and laboratory work

on embryology of frog, rabbit, chicken, cat, etc. Two hours. Requires Biology 1, 2.

5. *Human Physiology: Martin's Human Body.* A course of anatomy, physiology, and hygiene of the human body. The work is supplemented with lectures and study of specimens.

GEOLOGY.

1. *Physiography: Ritter's Comparative Geography, Guyot's Physical Geography, Wallace's Island Life.* A study of earth-forms and laws, embracing dynamical geology, and distribution of animal and plant forms. One hour. Counts in University Extension courses.

2. *General Geology and Paleontology: LeConte, Geikie and Dana.* A study of historical and systematic Geology, with the laws, and the course of evolution. Five hours.

3. *Economic Geology: United States Reports and Illinois Reports.* A study of useful minerals, metals, soils, etc. Three hours.

4. *Mineralogy: Dana.* Blowpipe and other analyses of rocks, study of crystallography, classification of specimens, and geologic importance. Five hours.

CHEMISTRY.

1. *General Chemistry: Remsen's Brief Course.* This course occupies the Fall term and is meant to familiarize the student with the properties of the common elements and their compounds. It consists of one recitation and seven hours of laboratory work per week, during the Fall term. Three hours.

2. *Qualitative Analysis: Prescott's First Lessons.*

This course is a continuation of course 1. It consists of one recitation and seven hours laboratory work during Winter and Spring terms. It studies the properties of salts, alone and in combination, the writing and solving of equations, and methods of analysis. Three hours.

3. *Theoretical Chemistry: Remsen.* This course considers the theory of the subject and is used to supplement courses 1 and 2. Two hours. Courses 1, 2, 3, are all required of Freshmen candidates for B. S., but any one may be elected by any upper-classman.

4. *Quantitative Analysis: Sutton.* This course pursues the volumetric method, and is quite extensive. It consists of two recitations and ten hours laboratory work weekly throughout the year. Five hours.

5. *Organic Chemistry: Remsen, Richter.* In this course a thorough study is made of some of the carbon compounds, both theoretically and in laboratory work. The course requires two recitations weekly and ten hours laboratory work. Five hours.

6. *Analysis.* Special study for a year in analysis of waters, ores, gases, etc. Five hours.

PHYSICAL TRAINING.

The class work consists of both light and heavy gymnastics. Marching, dumb-bell, bar-bell, and Indian club drills constitute the greater part of the work of the Fall term. This work is continued during the Winter term. Much work is also done on the horse, on the parallel bars, and the horizontal bars;

while exercises with the chest-weights and the simpler movements on the ladder and rings are occasionally given throughout the year. The individual work, especially in heavy gymnastics, is varied to meet the requirements of each student under the direction of the instructor in physical training. Tennis courts, foot-ball and base-ball grounds afford ample opportunity for outdoor exercise suited to each student.

PHYSICAL EXAMINATIONS.

Before entering upon the Gymnasium practice, each student is given a physical examination to ascertain his variation from the normal form and to discover physical defects, if they exist. These examinations are conducted by a skilled physician, and furnish the data for future work in the Gymnasium. It has already been found that students enjoy better health than before the Gymnasium was erected. The examinations, after a period of gymnastic drill invariably show increase of muscular and vital force.

INTER-COLLEGIATE CONTESTS.

Illinois College is a member of the Illinois Inter-Collegiate Oratorical Association, and the state oratorical contests will be held at Jacksonville, October 5, 1894. The Illinois Inter-Collegiate Athletic Association, of which Illinois College is also a member, will hold its annual tournament at Jacksonville, October 4, 5 and 6, 1894. Both of these associations will be the guests of Illinois College.

EXAMINATIONS, TESTIMONIALS AND DEGREES.

Whenever any branch of study has been completed, students may be subjected to a rigid examination upon it, oral or written, as the instructor shall judge most suitable. No testimonial of scholarship will be given, either by the authority of the institution or by any individual instructor, except as the result of such examination or its equivalent.

Any one who shall sustain such an examination on any one or more subjects will be entitled to a certificate of the same, duly authenticated by the authorities of the institution.

The degrees of Bachelor of Arts, Bachelor of Philosophy, and Bachelor of Science will be conferred, respectively, upon students who finish satisfactorily the Classical, Philosophical, or Scientific Course. On completing the Agricultural Course, students will be encouraged to become candidates for the degree of Bachelor of Science, which they may do by remaining at the College and pursuing the studies of the Senior year in the Scientific Course.

The degree of Master of Arts will be conferred on Bachelors of Arts of Illinois College for three years' non-resident work, or one year's resident and one year's non-resident work, in one of the following subjects: Latin, Greek, Civics, Sociology, or Philosophy. For details, apply to the professor in charge of the subject selected.

The degree of Master of Science will be conferred upon Bachelors of Science of Illinois College for

three years' non-resident work, or one year's resident and one year's non-resident work in one of the following subjects: Physics, Chemistry, Botany, Zoology, or Mathematics. For details, apply to the professor in charge of the subject selected.

The Degree of Doctor of Philosophy may be conferred upon graduates of this or other colleges who have been for at least two years engaged in special studies in advance of the usual course, under the direction of the faculty, and who, in addition to a thorough examination in one or more related subjects shall present theses embodying the results of their own research, which shall be satisfactory to the faculty.

In order to receive any of the above degrees, it is necessary that, previous to commencement, application shall be made to the President, and the sum of five dollars paid to the Treasurer. No person will be recommended to the Trustees as a candidate for any degree or testimonial unless he has first settled all dues.

LIBRARIES.

The College Library has been arranged and enlarged by the gifts of Liberal friends of the College. In order that the students and friends of the institution throughout the community may have access to the literary treasures that have been gathered here, the Library is regularly opened on Wednesday and Friday afternoon for the drawing of books. A certain portion of this collection, however, including works of reference, is withheld from circulation, and retained in the building for convenience

and safe-keeping. The Library now contains more than ten thousand volumes, and is well worthy of the attention of students. Advice and assistance in selecting courses of reading, which may be pursued in connection with their studies, will be given by the College Librarian to all who may desire.

In addition to the College Library, each of the literary societies has a collection of books of its own selection. The Sigma Pi Society Library comprises over two thousand volumes, and the Phi Alpha Society Library comprises seventeen hundred and thirty-five volumes. These figures do not include pamphlets, or worthless books of any sort. For the ordinary purposes of the student, these libraries are much more serviceable than the College Library, which is, to a great extent, composed of the rarer and more costly works, books of reference, scientific treatises, etc. There is also a small library, containing about three hundred volumes, devoted mainly to theological and religious literature. We have, then, the following summary of the College Libraries:

College Library.....	10,300	volumes.
Sigma Pi Library.....	2,000	"
Phi Alpha Library.....	1,735	"
Religious Library.....	300	"
Philologian Library.....	140	"

Total 14,475

LITERARY SOCIETIES.

The students sustain three Literary Societies, which, for the effective and thorough training which

they furnish in debate; in the expression of thought and in parliamentary usage, are exceptionally excellent. They are not expensive organizations for good fellowship and conviviality, but are conducted solely with a view to giving their members valuable training in debate and other literary work. Regular attendance and the prompt performance of duties are secured to a much greater degree than is usual in such organizations. They are entirely free from all indebtedness, and the dues of each member vary from one to two dollars per year. These societies—the Phi Alpha Society, the Sigma Pi Society and the Philologian Societies—hold their meetings on Friday evenings, and students of Illinois College or Whipple Academy are eligible to membership. Each of the societies has a library—of which mention has been made above—and a commodious hall, tastefully furnished and devoted entirely to its use.

RELIGIOUS EXERCISES.

The institution is conducted as a Christian College. In the instruction of youth, those minor matters on which good men differ are not made subjects of discussion; but the faculty consider the great characteristic doctrines of Christianity as fundamental in morals, as the law of gravitation in physical science. These doctrines will be so treated on all occasions. Parents may rest assured that instructors will labor to cultivate not only scholarly tastes, but also Christian character in those committed to their care.

Daily religious exercises, consisting of reading the

Scriptures, singing and prayer, at which some member of the faculty officiates, are held in the College Chapel. All students living on the college premises, and all other students whose duties require them to be at any college exercises during the hour immediately preceding or following prayers, are required to attend these exercises.

THE CHRISTIAN ASSOCIATION

of faculty and students was organized in 1882. In 1884 a large room in Sturtevant Hall was devoted to the uses of the association, carpeted and neatly furnished. Here, under the charge of students, are held, on Sunday and during the week, various meetings for conference, prayer, missionary inquiry, and bible study. The influence of the association upon the religious life of the institution is most beneficent.

DISCIPLINE AND GENERAL RULES.

In case of deficiency in scholarship, negligence in study, irregularity in attendance upon the exercises of the institution, or improper conduct, the student will be promptly admonished, and his parent or guardian informed of the fact. It is the object of this arrangement to keep parents and guardians accurately informed with regard to their sons and wards in the institution, and thus to secure their cooperation with the faculty in a mild system of discipline. Whenever it is ascertained that a student is deriving no advantage from his connection with the institution, or is pursuing a course injurious to himself or fellow-students, his parent or guardian will be

promptly addressed on the subject, and requested to remove him from the institution.

Regularity in attendance upon college exercises is regarded as absolutely essential to the progress of the student, and visits at home, or elsewhere, which break in upon such duties, should be avoided as much as possible. Previous permission from the class officer in case of leaving the town will be insisted upon.

Students once entered are considered members of the college until graduated or regularly dismissed, and are therefore required to be present on the first day of each term, unless excused by the faculty.

Special attention is called to the following rules:

I. No student shall be considered a member of any college class who is deficient in a greater amount of work than is regularly finished in one college year, at the rate of one recitation per day.

II. For making up conditions, a student shall be allowed a definite period, to be fixed by the instructor, not exceeding two terms, the summer vacation counting as one term. But any student who enters college with the maximum number of conditions (see Rule I.) may be allowed until the first day of the first term of the next college year to remove them.

III. If any condition be not removed at the end of the allotted time, the student shall be required to take the study with a class, at the earliest opportunity, and such a study shall take the precedence of all other work. Failure to comply with this rule shall forfeit the student's membership in his class.

IV. Students who have lost standing in any class

in accordance with Rule III. will not be allowed to pursue further studies with that class except for special reasons, and by unanimous vote of the faculty.

V. Students will not be allowed to take more than the usual number of studies, or be passed in any study by examination alone, except for special reasons, and by vote of the faculty.

DIVISION OF THE YEAR.

The college year is divided into three terms, as follows:

The FIRST TERM begins on the second Thursday in September, and ends on the Wednesday before Christmas.

The Christmas recess begins on the day after the First Term closes, and continues about two weeks.

The SECOND TERM begins on the Thursday after New Year's day, and continues about eleven weeks.

The THIRD TERM begins at the close of the Second Term, and continues till COMMENCEMENT, which occurs on the second Thursday in June.

The SUMMER VACATION extends from Commencement to the second Tuesday in September.

EXPENSES.

The charges payable to the College Treasurer are as follows:

Tuition for First Term.....	\$21.00
“ “ Second Term	16.00
“ “ Third Term.....	13.00

The above figures include all regular charges.

There are no incidental expenses except for materials actually used in laboratory work.

Room Rent in Crampton Hall, First Term....	\$10.00
“ “ “ “ Second Term..	10.00
“ “ “ “ Third Term ...	8.00

The charge for room rent includes fuel, as Crampton Hall is heated by steam.

Tuition and room rent will be collected by the term. No smaller division of the year will be recognized. For private examinations a special fee of two dollars is charged.

Each student occupying rooms in Crampton Hall is required to deposit with the Treasurer five dollars, at the beginning of each term, to be applied by him to the payment of gas bills and damages during the term. Any money not so applied will be returned to the student at the close of the term, or at such time as the student may have leave of absence for the remainder of the term.

Students vacating rooms for any cause are required to remove their furniture within one week.

Crampton Hall is lighted with gas, each room being supplied with a meter, so that its occupants pay for exactly what they consume. The expense for gas for each student averages twenty cents per week.

Payment is required in advance for each term, but not with the intention of excluding any worthy student who is really unable to comply with this regulation. If any student is unable to pay in advance, he will call immediately upon the President, state his case to him, and obtain from him a permission to the

Treasurer to grant such indulgence as the case may seem to require. On receiving such permission, the Treasurer may settle with the student in accordance therewith, and grant him the certificate necessary to admit him to recitation.

BOARD.

Students may obtain board at the College Commons. This is well supplied by the college with all the necessary table and other furniture, and the students obtain good board at its actual cost. The price of board is estimated at \$2.40 per week. The cost of board in private families, with furnished room, per week, is from \$3.50 to \$4.50. It will thus be seen that the entire

ANNUAL COLLEGE EXPENSES

of a student who rooms in Crampton Hall are as follows:

Tuition.....	\$50.00
Room Rent.....	28.00
Light.....	7.40
Board.....	88.80
Text Books and Society Fees, average.....	15.00
Total	<u>\$189.20</u>

Of other personal expenses, as for washing, clothing and traveling, no estimate can be made. These depend upon the tastes, habits and economy of the student.

IN CRAMPTON HALL

the annual expense has been reduced to a rate so low as to bring the expense of a thorough collegiate

education within the reach of any young man of ability and energy. The accommodations are far superior to those of ordinary college dormitories. Each suite of rooms, consisting of a study room fifteen feet square, and a bed room eight by twelve, is occupied by two students. The study room is furnished with a large study table, and the bed room with a double woven wire mattress bed, as permanent articles of furniture. Other articles of furniture, such as chairs, washstands with appurtenances, and bedding, are furnished by the students themselves at light expense, especially as in many cases they may be brought from home.

Choice of rooms is given by seniority to the College classes, and subsequently to students of Whipple Academy, in the order of application; provided, that if any benefactor of the college has a memorial room in the building, he is entitled to locate his son or near relative in such room. Application for such places should always be made in advance, that the rooms may be reserved. Early application should be made by those wishing to secure rooms in Crampton Hall, as the building is usually full at the opening of the college year. A deposit of two dollars is required of each student in order to secure a room, and the same is deducted from the rent of the following term; but is forfeited in case the room is not occupied by such student.

THE NEW GYMNASIUM.

Through the generosity of past and present students and other friends of the institution, a large and

tasteful building, carefully designed for gymnasium uses, has just been erected and equipped at a cost of over twenty thousand dollars. Facilities unequalled at present by those of any other college gymnasium in the state can now be offered. Regular exercise will be prescribed and directed by a competent instructor. No student's health is properly guarded; no education is complete without wise physical training. Its aim is to reveal and remedy individual weaknesses, to increase vigor and to secure a bodily reserve for the mental strain of life. To the gymnasium many attractions will be added to make a popular yet safe resort in leisure hours. Among other features will be a memorial room for pictures and relics connected with the history of the college. A collection of these is begun, and its growth in size and interest will depend upon the active cooperation of students and alumni.

SCHOLARSHIPS.

The trustees would call the attention of young men of limited means to the following statement of scholarships, founded by benevolent individuals:

The HUBBARD SCHOLARSHIP, entitling one student to enjoy the privileges of the institution free of charge.

The ELLIS SCHOLARSHIPS, securing a like privilege to two students, and paying part of the bills of a third.

The BARSTOW SCHOLARSHIP, the WOLCOTT SCHOLARSHIP, and the HOLMES SCHOLARSHIP, each securing the privileges of the institution to one student.

The ABEL SCHOLARSHIPS, offering free tuition to two students preparing for the ministry.

All these funds are designed by their generous founders to aid young men of promising talents in obtaining a thorough classical education at the college. None will be permitted, in any case, to enjoy the benefits of them who are not of good moral character, of decidedly prominent talents and attainments, and in such circumstances as to need aid in defraying the expenses of their education; nor any who belong to secret societies, or use tobacco, or who do not comply with the regulations of the institution. Incumbents falling below an average grade of 80 per cent. or below 70 per cent. in any study, will forfeit their scholarships. An honorable dismissal will not be given to any holder of a scholarship until he has either completed the course of study required for the degree of Bachelor of Arts, or has refunded whatever he has received from his scholarship, with interest. But if he honorably completes the course of study, he is released from all obligations to refund what he has received.

PRIZES.

A fund of two hundred and fifty dollars has been given to the College by Mr. H. H. HALL, of Jacksonville, the annual income of which will constitute a first prize of ten dollars and a second prize of seven dollars, for orations by members of the Junior class.

A fund of one thousand dollars has been given by Mr. THOMAS SMITH, of Hartford, Conn., the income of which, for the coming year, will be applied as follows:

A first prize of fifteen dollars and a second of ten

dollars, for declamations of English prose by members of the Freshman class.

A first prize of ten dollars and a second of five dollars, for English compositions by members of the Sophomore class.

A prize of fifteen dollars for the best standing in the mathematics of the Freshman year.

It is expected that the HALL PRIZES and the SMITH PRIZES will be expended for books subject to the approval of the faculty.

A prize of twenty-five dollars has been founded by Rev. W. E. Catlin, of the class of 1845, and named the IRELAND PRIZE, in honor of his classmate, the Rev. Wm. Ireland. It will be awarded annually to that member of the Senior class who presents the best paper on some subject in connection with the department of mental and moral philosophy.

Donors, who wish their names withheld, have established a first prize of twenty-five dollars, and a second prize of fifteen dollars, for the first best and second best summary of the doctrines taught in the course of philosophical lectures for the current year by Professor Hiram K. Jones.

The above named prizes are offered each year to the several classes. The faculty is authorized, however, to withhold the prizes in any instance in which reasonable competition is not manifested by the members of the class entitled to compete.

No student will be allowed to compete for a prize in studies which he does not pursue with his class at the regular time.

SCHOLARSHIP PRIZES.

Illinois College offers the following scholarship prizes for the ensuing year, to be awarded at the examination for admission, September 11 and 12, 1894:

1. A scholarship prize of forty-five dollars (\$45.00) to the student who shall obtain at the examination for admission the highest average in all the subjects required for admission to the Freshman class in the Classical course of study.

2. A scholarship prize of forty-five dollars (\$45.00) to the student who shall obtain the highest average in all the subjects required for admission to the Freshman class in the Philosophical course of study.

3. A scholarship prize of forty-five dollars (\$45.00) to the student who shall obtain the highest average in all the subjects required for admission to the Freshman class in the Scientific course of study.

4. A scholarship prize of fifteen dollars (\$15.00) to the student who shall pass the best examination in the English required for admission to the Freshman class.

5. A scholarship prize of fifteen dollars (\$15.00) to the student who shall pass the best examination in the Mathematics required for admission to the Freshman class.

6. A scholarship prize of fifteen dollars (\$15.00) to the student who shall pass the best examination in the Latin required for admission to the Freshman class in the Classical and Philosophical courses.

7. A scholarship prize of fifteen dollars (\$15.00)

to the student who shall pass the best examination in the Greek required for admission to the Freshman class.

8. A scholarship prize of fifteen dollars (\$15.00) to the student who shall pass the best examination in the Natural Science required for admission to the Freshman class.

SPECIAL PRIZE.

In order to emphasize the importance of a college training and direct attention to its value, a friend of higher education authorizes the offer of a prize of \$25.00 for the best essay on "The Value of a College Education." All essays in competition for this prize must be sent to the President of Illinois College on or before September 1, 1894. The committee of award will consist of three persons selected from the faculty of Illinois College, and their decision will be announced about October 1, 1894. The writer of each essay submitted must be a member of the senior (graduating) class of a high school during the school year 1893-94, and at the time of the award must be a student in Illinois College or Whipple Academy.

Each essay should be limited to 1500 words, and should be signed with a fictitious signature and accompanied by a sealed envelope containing the writer's name and the name of the school which he attended during the year 1893-94. The prize will be paid in money as soon as the award is determined.

It is hoped that this prize will help to promote a closer relation between the college and the secondary schools.

APPOINTMENTS FOR COMMENCEMENT,
JUNE 8TH, 1893.

Murrey K. Martin, <i>Valedictory</i> , High Oration	Jacksonville, Ill.
William H. Stevenson, <i>Salutatory</i> , High Oration	Jacksonville, Ill.
Samuel W. Beggs, <i>Oration</i>	Ashland, Ill.
Utten E. Read, <i>Oration</i>	Jacksonville, Ill.

PRIZES AWARDED SINCE THE PUBLICA-
TION OF THE LAST CATALOGUE.

JUNIOR EXHIBITION—HALL PRIZES.

Orations—

- 1st Prize—John A. Barber, '94.
2d Prize—Charles F. Wemple, '94.

SMITH PRIZES.

Composition—

- 1st Prize—Fred F. Waltz, '95.
2d Prize—George W. Govert, '95.

Declamation—

- 1st Prize—Arthur B. Fairbank, '96.
2d Prize—Horace H. Bancroft, '96.

Mathematics—

- Henry N. Kuechler, '96.

IRELAND PRIZE.

- Samuel W. Beggs, '93.

PHILOSOPHY PRIZES.

- 1st Prize—Murrey K. Martin, '93.
2d Prize—Samuel W. Beggs, '93.

WHIPPLE ACADEMY.

Under the direction and management of the trustees of Illinois College, but maintained as a separate and distinct institution, Whipple Academy offers superior advantages in preparation for college, or training in English branches.

COURSES OF STUDY.

The following courses are maintained:

I. College Preparatory Courses: Classical, Philosophical, and Scientific.

II. An Elective Course, for those not wishing to prepare for college, but desiring a thorough drill in special subjects of their own choice.

III. An English Course, affording a careful training for the College Preparatory courses, with classes also especially adapted to those desiring a good common school education, and those preparing to teach.

I. THE COLLEGE PREPARATORY COURSES.—These courses are designed to afford a complete preparation for the best colleges.

1. THE CLASSICAL COURSE.—This course covers three years, and includes a thorough training in Latin and Greek; Higher English, including Rhetoric, and a careful study of a few English and American Classics; Mathematics, including Higher Arithmetic,

elementary and advanced Algebra, and Plane Geometry; Botany, and Ancient History.

2. THE PHILOSOPHICAL COURSE.—This course covers three years, and includes the same work as the Classical Course in Latin, Higher English, Ancient History, and Mathematics; and gives, in the place of Greek, work in elementary science, including Botany, Zoology, Physics with laboratory work, Physiology; and a year's study of German.

3. THE SCIENTIFIC COURSE.—This course covers two years, and includes Algebra, Geometry, Rhetoric, studies in English and American Literature; one year of German or Latin; Physics with laboratory work, Physiology, Botany, Zoology, and Ancient History.

II. THE ELECTIVE COURSE.—Students not wishing to prepare for college are allowed to select such studies as they desire from the regular courses, and receive the diploma of the Academy after completing the equivalent of two years of work above the common branches. This course meets the wants of a large class of young men who wish to prepare themselves thoroughly to begin the study of some special profession, or to get ready for teaching or for business, but who have not the time or the means for a college education.

A COURSE SPECIALLY ARRANGED FOR TEACHERS.—Classes will be arranged each term for the benefit of teachers who wish to review their studies, and to prepare for examinations for first or second grade certificates. In the Winter and Spring terms a class will be formed for the study of Pedagogy, in which

special attention will be given to the illustration and discussion of the best methods of teaching and discipline. Compayre's History of Pedagogy and Compayre's Lectures on Teaching will be used as textbooks, and supplemented by lectures, by suggested collateral reading, and by class discussions.

III. THE ENGLISH COURSE.—Experience shows that many students fail in their preparatory or college work because of insufficient knowledge of the elementary branches. These subjects are poorly taught in many schools, and boys of thirteen years old and upwards frequently attend their home schools for years without making much progress. Many persons have sent such pupils to Whipple Academy, and have been pleased with the work done here. Besides these, many young men, whose early opportunities have been slight, wish a more rapid and thorough review of the English branches than they can get in the common schools. Many students are prepared to take advanced work in some studies, but need to review one or two of the elementary branches.

For the accommodation of all of these persons, the Academy offers one or more classes each term in the following subjects: Arithmetic, English Grammar, Geography, United States History, Civil Government, Reading, with frequent compositions, Spelling and Penmanship. Business Correspondence and Bookkeeping are also taught without extra charge.

The courses of study in the Academy have been greatly extended, and it is believed that there is now offered an arrangement of studies and a choice of courses equal to those of the best secondary schools

in the country. The work in Greek and Latin is up to the highest standard. More than usual attention is paid to Higher English, ample time is given for a thorough mastery of the necessary branches of Mathematics, provision is made for a good foundation for future work in Science, and a year's work in German is added. In addition to the valuable drill afforded by the Academy literary society, regular training is given in composition and declamation throughout the entire course.

Graduates of the Academy, in any of the preparatory courses, will be able to enter the best colleges of the country.

Boys under thirteen years old are not admitted to the Academy except by special arrangement with the Principal. Students are assigned to such classes as they are found, by careful examination, to be best fitted for. Testimonials of character and standing in the last school are desired, and when these are clear and satisfactory, no examination will be required; but students thus admitted will be regarded as on trial, and may be dropped at any time from classes in which they do not perform satisfactory work.

Outline of Courses of Study.

ENGLISH COURSES.

Regular.	Special.	Teachers'.
FALL TERM.		
Arithmetic.	Arithmetic.	Advanced Arithmetic
English Grammar.	English Grammar.	Advanced Grammar.
U. S. History.	U. S. History.	Physiology.
Penmanship.	Penmanship.	Penmanship.
WINTER TERM.		
Arithmetic.	Arithmetic.	U. S. History & Geography.
English Grammar.	English Grammar.	Zoology.
U. S. History & Geography.	Bookkeeping.	Physics.
Penmanship.	Penmanship.	Pedagogy.
SPRING TERM.		
Advanced Arithmetic.	Advanced Arithmetic	Advanced Grammar
Advanced Grammar	or	or
or	Advanced Grammar.	Ancient History.
Latin Lessons.	Civil Government.	Botany.
Civil Government.	Bookkeeping.	Physics.
Penmanship.	Penmanship.	Pedagogy.

One hour a week through the year in Composition and English Literature is required of all students.

Certificates of honor will be given to all who pass with a grade of at least 85 per cent. in all the studies of any of these courses.

PREPARATORY COURSES.

Classical Course.	Philosophical Course.	Scientific Course.
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JUNIOR YEAR.

FALL TERM.		
Latin Lessons.	Latin Lessons.	Physiology.
Algebra.	Algebra.	Algebra.
Elementary Rhetoric.	Elementary Rhetoric.	Elementary Rhetoric.
WINTER TERM.		
Latin Lessons.	Latin Lessons.	Physics.
Algebra.	Algebra.	Algebra.
English Literature.	English Literature.	English Literature.

SPRING TERM.

Latin: Cæsar.	Latin: Cæsar.	Botany.
History: Eastern Nations and Greece.	History: Eastern Nations and Greece.	History: Eastern Nations and Greece.
Botany.	Botany.	Physics.

One hour a week in Composition and English Literature is required of all students through the Spring term.

MIDDLE YEAR.

FALL TERM.

Latin: Cæsar and Composition.	Latin: Cæsar and Composition.	The Scientific Course is finished in two years. See Senior Year.
Roman History.	Roman History.	
Greek Lessons.	Physiology.	

WINTER TERM.

Latin: Cicero and Composition.	Latin: Cicero and Composition.
Geometry.	Geometry.
Greek Lessons & Anabasis.	Physics.

SPRING TERM.

Latin: Cicero and Composition.	Latin: Cicero and Composition.
Geometry.	Geometry.
Greek: Anabasis and Composition.	Physics.

One hour a week in Composition and English Literature is required of all students through the year.

SENIOR YEAR.

FALL TERM.

Latin: Vergil.	Latin: Vergil,	Latin or German.
Greek: Anabasis and Composition.	German.	Roman History.
Advanced Algebra.	Advanced Algebra.	Advanced Algebra.

WINTER TERM.

Latin: Vergil.	Latin: Vergil.	Latin or German.
Greek: Homer's Illad.	German.	Geometry.
Greek History and Classical Geography.	Zoology.	Zoology.

SPRING TERM.

Latin: Cicero and Composition.	Latin: Cicero and Composition.	Latin or German.
Greek: Homer's Illad.	German.	Geometry.
Advanced Algebra.	Advanced Algebra.	Advanced Algebra.

One hour a week in Declamation and Composition is required of all students through the year, and an essay each term for the Fall and Winter terms.

Scope and Methods of Instruction.

The following statements are made to explain the scope and methods of instruction in the various subjects of study:

GREEK.

The study of Greek is begun in the Middle year, and continues two years. In the first two terms Frost's Greek Primer is used, and thorough drill is given in forms, vocabularies, and simple syntax, with daily practice in oral and written translation from Greek into English, and English into Greek. In the third term Xenophon's *Anabasis* (Kelsey) is begun, Book I. finished and reviewed, with daily exercises in Prose Composition (Woodruff), and special attention to irregular verbs and syntax.

In the Senior year, Books II., III. and IV. of the *Anabasis* are read in the first term, and Frost's Greek Primer carefully reviewed. In the second term three books of Homer's *Iliad* (Keep) are read, with study of Homeric forms, scansion, and mythology.

In the third term, all the Greek so far read is reviewed, and an effort made to thoroughly fix the vocabularies, forms, and constructions of the whole course.

PEDAGOGY.

A course in Pedagogy is offered to students of the

Teachers' course, continuing through the Winter and Spring terms. It aims to give a knowledge of the history of education, of the lives and methods of noted educators, of mental processes and the laws relating to mental growth and the development of mental power, and to assist in the formation of just opinions on theories and methods of teaching, and of school management. Compayre's History of Pedagogy and Compayre's Lectures on Teaching will be used as text-books, and these will be supplemented by lectures, by suggested collateral reading, and by class discussions of methods of teaching and systems of education.

BIBLE STUDY.

The courses of study in the English Bible offered to College students are open to mature students of the Academy, and these are not only permitted to take up the work, but advised to do so. The course aims to give a good general knowledge of the character and contents of the Scriptures, using the Bible as a text-book, and supplementing it by lectures and suggested collateral reading. The course in 1894-95 will be in Old Testament History, from the Creation to the Division of the Jewish Kingdom. One hour a week through the Fall and Winter terms.

ANCIENT HISTORY.

In the Spring term of the Junior year, Myers's Eastern Nations and Greece is studied; in the Fall term of the Middle year, Allen's Short History of the Roman People; and in the Winter term of the Sen-

ior year, Wilkins's Roman Antiquities, Mahaffy's Old Greek Life, and Tozer's Classical Geography.

The object of the course is to prepare the student for the study of Mediæval and Modern History, and to furnish a basis for the study of Political Economy and Constitutional Development. In addition to the work of the text-book, lectures are given, and other reading suggested, and topics assigned for special study and investigation.

LATIN.

The course in Latin extends over three years, and aims to give the student a thorough knowledge of forms, syntax and prosody, and accuracy and facility of translation. While the course is arranged primarily with a view to fitting students for Illinois College, it is believed that the work is sufficiently thorough and the course sufficiently extensive to insure admission to any American college.

In the first year, two terms are given to the study of Etymology, Comstock's First Latin book being the text-book. Free use is made of blackboards, and the progress of the students tested by frequent written examinations. In the Spring term, Cæsar is begun, the class using Kelsey's Cæsar, studying the introduction, and reading thirty chapters of Book I., and all of Book II. In connection with this there is daily practice in writing Latin, using Daniell's Prose Composition, and a thorough study of all grammatical references, using Allen & Greenough's Grammar.

In the second year, Cæsar is continued, the class reading Books III. and IV. and reviewing the whole.

Prose Composition is kept up, and Comstock's First Latin Book thoroughly reviewed. In the Winter term Cicero is begun, the class using Johnston's Cicero, and the four orations against Catalina are read. In the Spring term two other orations of Cicero are read.

In the third year, Vergil occupies the first two terms, six books being read and reviewed. Careful attention is given to scanning, and to the explanation of grammatical, mythological, and historical references. Greenough's Vergil and Whiton's Auxilia Vergiliana are the text-books used. In the Spring term two more of Cicero's orations are read.

The course thus includes a very thorough drill in Latin Grammar and Composition, four books of Cæsar, eight orations of Cicero and six books of Vergil.

MATHEMATICS AND PHYSICS.

1. *Elementary Algebra: Wentworth's School Algebra.* This work is aimed to carry the pupil through quadratics, in an elementary way, and to so familiarize him with the mechanical processes that he can do them with ease, and thus be ready for the deeper study of advanced algebra. Fall and Winter terms.

2. *Advanced Algebra: Jones's Drill Book in Algebra.* This course is meant to fit the student for good, thorough work in college. It goes to the root of the subject, and at the same time gives ability to solve all problems likely to arise. The work is entirely modern. Fall and Spring terms.

3. *Plane Geometry: Du Puis's Synthetic Geometry.*

This subject is treated from the modern "synthetic" standpoint. It is a valuable combination of reasoning and a study of the elementary properties of space. Winter and Spring terms.

4. *Elementary Physics: Chute's Physics.* This course is a combination of lectures, problems, and laboratory work, mainly the latter. The experiments are all *quantitative* in character. They are designed to furnish an experimental basis for the laws and facts of physics. The work requires a great deal of laboratory time and writing up of notes. Winter and Spring terms.

GERMAN.

The aim of this course in German is to enable the student to read at sight simple prose, and to afford him considerable familiarity with the forms and vocabulary of ordinary conversation.

FALL TERM:—The work of this term is based largely upon Joynes-Meissner's Grammar. Accompanying the study of inflections and the simpler forms of syntax is daily practice in oral and written translation from English into German. The student is accustomed to the sound of the German, and is required to give the utmost attention to securing a correct pronunciation. The reading of simple selections from Joynes's Reader is early introduced, together with the memorizing of short stories and poems. The formal study of the grammar is continued through the term, during which the elements of etymology and syntax are acquired.

WINTER TERM:—The reading and translation of

the more advanced portions of Joynes's Reader occupy a large part of this term. The work of acquiring a vocabulary is emphasized. Facility in translation from English into German is sought by the use of passages based upon the subject matter of the Reader. Students are also expected to reply to simple questions in short, correct German sentences.

SPRING TERM:—The general character of this term's work is similar to that of the preceding. Increasing stress is laid upon the acquiring of facility in conversation, and the use of English in the classroom is gradually supplanted by German. Selections from the prose of modern writers are read.

NATURAL SCIENCES.

Physiology. Walker's Physiology is used as a text-book, supplemented by the study of the skeleton and charts, by such demonstrations and dissections as are practicable, and by lectures and suggested outside reading. Fall term.

Zoology. Packard's Briefer Course is the text-book used. In addition to the text-book work, typical forms are taken up for special study, and students are taught to observe and study the object itself. Winter term.

Botany. Gray's School and Field Book of Botany is used. The work takes up the structure and forms of plants, and leads up to the system of classification. Each student collects, mounts and classifies sixty species of plants, including all the simpler orders as far as Compositæ.

ENGLISH LITERATURE, RHETORIC AND ELOCUTION.

COURSES 1, 2, 3.

English Class. One hour a week through the year. In this year it is designed, by readings and weekly compositions, to give a general introduction to Literature by acquainting the students with the subjects and the history of some of the masterpieces of Classical and English Literature, and the following books in Ginn & Co.'s Classics for Children are to be read outside the class: Kingsley's *Greek Heroes*, Lamb's *Tales from Shakespeare*, Hale's *Arabian Nights*, Scott's *Tales of a Grandfather*, Hughes's *Tom Brown at Rugby*. At the weekly exercise the student recites the story of the passage assigned, and writes an abstract of it.

COURSES 4 AND 5.

Junior Class: Rhetoric. Five hours a week. Fall and Winter terms.

In this course the elementary principles of Rhetoric are studied, and practical application of them is made in frequent exercises in composition.

Along with the work in Rhetoric the class studies American Literature, giving about two weeks each to the following writers: Irving, Longfellow, Whittier, Bryant, Hawthorne, Holmes, Lowell and Emerson.

COURSE 6.

Junior Class: American Literature. One hour a week. Spring term.

This is a continuation of courses 4 and 5. Other American authors are studied and weekly recitations and compositions are required from the class.

The text-books used during the year are: Shaw's *English Composition*, Richardson's *Primer of American Literature*, and selections from cheap editions of the authors studied.

COURSES 7, 8 AND 9.

Middle Class: English Literature. One hour a week throughout the year.

By means of informal lectures and some text-book study, the history of English Literature is traced from the Norman Conquest to the present day. Considerable reading outside the class is required, supplementing the lectures and text-books. Frequent written tests or examinations are given, covering both lectures and readings.

Text-books: Brooke's *Primer of English Literature*. Selections from cheap editions of English writers.

COURSES 10 AND 11.

Senior Class. Declamation one hour a week through Fall and Winter terms. This course attempts to introduce the student to the principles of easy and correct speaking. Each member of the class receives private drill in the preparation of three declamations, which are then delivered before the class. Eight representatives are chosen from the class at the end of the course to compete for the Whipple Declamation prizes.

COURSE 12.

Senior Class: Composition. One hour a week, Spring term.

The work of this course consists of weekly exercises in original composition, prepared outside the class, corrected and criticised, and then discussed in the class. No text-books.

In addition to courses 10, 11 and 12, all members of the Senior class write one essay in each of the first two terms, choosing their own subjects. These essays must be handed in by the end of the term, and are criticised and returned.

The Smith Prize of \$15 is awarded for the best grade in the work in English Composition of the Senior year, including the two essays and the exercises of the Spring term.

ENGLISH COURSES.

Arithmetic: Wentworth's Grammar School Arithmetic, Wentworth and Hill's Problems. The work in this branch, denoted Advanced Arithmetic and offered to teachers in the Fall term, will be a thorough practical review of the whole subject. Students in the English courses proper will spend the Fall and Winter terms in going over the subject with a text-book; the Spring term will be devoted to a review of the whole subject, using a manual of problems as a basis.

Grammar: Reed & Kellogg's Higher Lessons in English. In the English courses the Fall and Winter terms will be given to text-book work on Orthography, Etymology, and Syntax. The Spring term's

work will be a complete review of all the previous work, with especial emphasis on syntax and the general structure of the language. In the Fall term teachers will be offered the complete course covered by the English students in the whole year, and the same again in the Spring term.

United States History: Johnston's Brief United States History. A thorough text-book will furnish a basis of facts, to be supplemented by reference to short works on special topics, and by papers written and presented to the class by the instructor, discussing the political and industrial history of the country. The work in the winter term will be a thorough review, and is also offered to those who have studied the subject and wish a review preparatory to teaching.

Geography: One hour per week during the Winter term, a review, using any text-book.

Civil Government: Thorpe's Civil Government. A description of town, city, county, state, national governments; also a brief historical outline of their growth, to be filled in by a limited amount of supplementary reference work. Especial attention will be paid to the civil government of Illinois.

Bookkeeping: Gay's Business Bookkeeping. A short course in single entry followed by double entry. The aim in this department is to furnish the theoretical and practical knowledge of the subject necessary to manage the books of any ordinary mercantile business.

Penmanship: A class in practical penmanship will be taught from four to seven weeks each term.

Beginning Latin: Tuell and Fowler's Latin Les-

sons. In the Spring term Latin may be begun by such students as wish to take up the preparatory courses the following Fall. This work of one term will be a great help in mastering the rudiments of Latin taught in the Junior year.

PHYSICAL CULTURE.

Young men engaged in study need regular and systematic physical training, and the Academy is now better equipped in this respect than any other institution in the state.

Students in the Academy have access to the new gymnasium of the College at stated times, and have regular training there daily under a competent instructor. The bath rooms are also at their disposal under certain regulations.

Tennis courts, foot-ball and base-ball grounds afford ample opportunity for outdoor exercise suited to each student.

ANNIVERSARY EXERCISES.

The anniversary exercises of the Academy are held on Monday of Commencement week.

Certificates of graduation are given to all who complete the regular courses of the Academy. These certificates entitle the holder to enter the Freshman class of Illinois College without further examination.

Certificates of graduation are also given to all who, following an elective course, have passed in 18 units of work above the common branches, a term's work in a regular study of any of the courses counting as a unit. These certificates do not admit to the

College. A charge of two dollars is made for graduation.

The graduating exercises consist of essays delivered *ex memoria*, and declamations. The class is generally too large for all to take part, and eight students are appointed to represent the class. The appointments are made by the faculty, who take into consideration: 1st, general proficiency in the studies pursued; 2d, special proficiency in rhetoric and elocution; 3d, gentlemanly conduct throughout the course.

The following appointments have been made for 1893:

George Edwin Baxter	Griggsville.
Samuel Wallace Baxter	Jacksonville.
Edward Regnier Branson	Petersburg.
Harry Hodges Griswold	White Hall.
Clarence Eldred Fairbank	Jacksonville.
Charles Edward Lenington	Jacksonville.
Emmet William McBratney	Griggsville.
Edgar Howard Sturtevant	Jacksonville.

PRIZES.

During the year 1894-1895, prizes will be offered as follows:

To the Senior class, in all courses: The WHIPPLE PRIZES for declamation: 1st prize, ten dollars; 2d prize, seven dollars. To the Senior class: The SMITH PRIZE of fifteen dollars, for the best essays and work in composition during the year.

Through the generosity of Mr. CHARLES CATLIN, a prize of ten dollars is offered to members of the Mid-

dle class, Classical course, for the best standing in Greek of the year.

All prizes are awarded in books, chosen by the successful student and approved by the Principal.

PRIZES AWARDED SINCE THE PUBLICATION OF THE LAST CATALOGUE.

WHIPPLE PRIZES, 1894.

1st Prize—Frederic Chauncey Tanner, Jacksonville.

2d Prize—Mendel Garbutt Frampton, Pittsfield.

SMITH PRIZE, 1893.

Edgar Howard Sturtevant, Jacksonville.

CATLIN PRIZE IN GREEK, 1893.

Myron Epler, Virginia.

LITERARY SOCIETY.

The Academy students maintain an excellent literary society, the Philologian, which meets on Friday evening of each alternate week. It is open to all students over fifteen years of age, and affords effective and thorough training in declamation, essay-writing, debate, and parliamentary usage.

EXPENSES.

TUITION.—The charges for tuition in the Academy are as follows:

Fall Term	\$18.00
Winter Term.....	15.00
Spring Term.....	12.00

This charge includes tuition, incidentals, gymnas-

ium, baths, laboratories, etc. There are no extra charges of any kind.

Term bills are due on the first day of each term. Students entering after the middle of a term will be charged for but half a term. No fees will be refunded except in case of sickness. In this event the student will procure from a physician a certificate of his inability to remain in school, when half the amount paid will be refunded, if application is made before the middle of the term.

ROOMS AND BOARD.—In order to reduce expenses, and bring a good education within the reach of any young man of ability and energy, Crampton Hall was built in 1874. It will accommodate fifty students. The accommodations are far superior to those of ordinary college dormitories. The rooms are large, well lighted, heated by steam, and provided with gas for lighting. The rooms are carefully inspected every month, and kept in good order. Two of the instructors have rooms in the Hall, and it is managed so as to make this an attractive home for young men. The rooms are rented at a cost just sufficient to cover fuel and repairs.

Each suite of rooms consists of a study room fifteen feet square, and a bed room fifteen by eight, and is occupied by two students. The study room is furnished with a large study table, and the bed room with a woven wire mattress bed. Other articles of furniture may be brought from home or may be purchased in Jacksonville.

A list of articles needed to furnish the rooms has been prepared, and will be sent on application.

Each student should have a Bible and a good dictionary; and it is desirable that he be provided with such papers or other reading matter as shall be profitable and appropriate for Sunday.

Room rent for First term, \$10; Second term, \$10; Third term, \$8.

The rooms are generally all engaged by the opening of school, and it is best to secure a room as early as possible. A deposit of two dollars sent to the Principal will secure a room, and the two dollars will be credited on the rent for the term, but will be forfeited in case the person does not occupy the room. Students rooming in Crampton Hall board at the College Commons. Here an excellent table is kept up, and the students pay only the actual cost, which is about \$2.40 per week.

Many of our students take furnished rooms near the Academy, paying from 75 cents to \$1.25 per week, and take their meals at the club.

The Principal will aid students in finding pleasant and economical boarding places. Board and furnished room in private families cost from \$3.50 to \$5.00 per week.

AID TO STUDENTS.

To aid worthy students in obtaining an education, the WHIPPLE SCHOLARSHIP and the BISHOP SCHOLARSHIP have been founded, each paying the tuition and incidental expenses of one student.

A limited number of students not able to pay the full charge for tuition can have such a reduction as may be considered necessary.

Aid will be withdrawn from any student who does not maintain an average grade in all his studies of at least 80 per cent., or who falls below 70 per cent. in any study.

Students admitted free of tuition, who leave before completing the full course, are expected to pay the tuition for the time they are in the Academy.

Besides the direct aid afforded, the Principal will be glad to assist in finding remunerative employment for those who wish it. Every year some of the best students find work, either at the Academy or in some of the homes of Jacksonville, by means of which they materially aid themselves in securing an education.

REGULATIONS.

Academy students are required to attend morning prayers.

Careful records are kept of the attendance and scholarship of students, and reports are sent to parents at the close of each term. Satisfactory excuses must be given for all absences.

In order to continue in a class, a grade of not less than 60 per cent. is required. If a student does not maintain this grade, he will be admonished; and if, after due trial, he is still unable to do the work, he will be dropped from the class.

No student will be allowed to remain in the Academy who does not give evidence of diligent study, or who is unwilling to yield a cheerful obedience to the regulations of the institution.

Students not residents of Jacksonville are not

allowed to leave the city at any time without permission previously obtained from the Principal.

The use of tobacco by students of the Academy is strongly discouraged, and at the request of parents will be strictly prohibited in the case of their sons.

Recitations are conducted from 8:15 A. M. to 3:30 P. M., in separate recitation rooms. The Academy Study Hall, a pleasant and commodious room is used for study and assistance in the preparation of lessons. An instructor is always in charge, who gives his whole attention to individual instruction and explanation. This has proved a valuable feature of the work of the Academy, supplementing the work of the class room, and giving students the advantage of private instruction. Attendance is required, unless excused by the Principal, and absences are reported as strictly as absences from recitations.

STUDENTS.

ILLINOIS COLLEGE.

GRADUATING CLASS 1893.

Samuel Watson Beggs, C.	Ashland.
Murrey Kerr Martin, C.	Jacksonville.
Utten Ellis Read, C.	Jacksonville.
William Henry Stevenson, C.	Jacksonville.

SENIORS.

Edwin George Baldwin, C. 14 Crampton Hall.	Mendon.
John Andrew Barber, P. 8 Crampton Hall.	Cantrall.
Frederick Scott Brown, C. 8 Crampton Hall.	Divernon.
David Waddell Frackelton, P. 4 Crampton Hall.	Petersburg.
Thomas Edward Laurie, S.	Jacksonville.
James William Putnam, S. 402 Sandusky St.	Hersman.
Charles Francis Wemple, S. 14 Crampton Hall.	Waverly.

JUNIORS.

Thomas Henry Buckthorpe, P. 813 South East St.	Jacksonville.
Levi Stevens Doane, S. 906 Grove St.	Jacksonville.
Willard Hays Garrett, S. 23 Crampton Hall.	Mendon.
Eo Briggs Nash, C. 233 Prospect St.	Jacksonville.
William Ransdell, P. 821 South Main St.	Jacksonville.
Henry Watson Ruffner, C. 233 Prospect St.	Buffalo, N. Y.
Thomas J. Simons, C. 4 Crampton Hall.	Virden.
Joseph William Walton, C. 710 West North St.	Jacksonville.

SOPHOMORES.

Rupert Franz Asplund, C. 316 South East St.	Little Indian.
Horace Hubert Bancroft, C. 623 West State St.	Jacksonville.
James Edward Calhoun, S. 145 Pine St.	Jacksonville.
Curtiss Corsair Carter, S. Jacksonville.	Bluffs.
James Edward Clifford, P. 21 Crampton Hall.	Virginia.
Edward Darley, P. 22 Crampton Hall.	Franklin.

Albin Charles DeMary, P. 23 Crampton Hall.	Jacksonville.
Arthur Boyce Fairbank, P. 235 Westminster St.	Waverly.
Henry Norbury Kuechler, S. 202 North Prairie St.	Jacksonville.
Paul Levering, S. 9 Crampton Hall.	Petersburg.
Homer Francis Moore, C. 123 West College Ave.	Jacksonville.
William Paterson, P. 1039 West College Ave.	Jacksonville.
Cornelius Bernard Rourke, S. 26 Crampton Hall.	Waverly.
Elmer Ellsworth Wells, S. 118 Westminster St.	Franklin.

FRESHMEN.

George Edwin Baxter, S. 1039 West College Ave.	Griggsville.
Samuel Wallace Baxter, P. 28 Crampton Hall.	Jacksonville.
John Austin Bradley, C. 1202 West College Ave.	Lee, Mass.
Edward Regnier Branson, P. 717 West College Ave.	Petersburg.
William George Cartlich, S. 5 Crampton Hall.	Creston, Ia.
Harry Burnham Coffield, S. 5 Crampton Hall.	Mendon.
Clarence Edward Fairbank, C. 218 Westminster St.	Jacksonville.

Frederick Joy Fairbank, C.	Jacksonville.
218 Westminster St.	
Ora Fell, S.	Jacksonville.
614 South East St.	
Edward Almiron Greenlaw, S.	Flora.
120 West College Ave.	
Harry Hodges Griswold, S.	White Hall.
902 West State St.	
Nevel Edward Harris, P.	Jacksonville.
923 South Main St.	
Clyde Lamont Hay, C.	Jacksonville.
City Place.	
Charles Albert Johnson, S.	Jacksonville.
423 West State St.	
Edward Bingham Kirk, S.	Jacksonville.
475 Lincoln Ave.	
Edward Clinton Kreider, S.	Jacksonville.
326 West State St.	
Levin Dirickson Laning, P.	Petersburg.
1025 West College Ave.	
William Kinkead Long, S.	Jacksonville.
1160 South East St.	
Emmet William McBratney, S.	Griggsville.
711 West College St.	
Brown Ervin McIlvaine, S.	Tuscola.
28 Crampton Hall.	
Leonard Masters, S.	Jacksonville.
South Main St.	
Lawrance Edwards Milligan, C.	Jacksonville.
149 Caldwell St.	
Frank Godfrey Phillips, S.	Jacksonville.
129 North Pine St.	
John Goodspeed Pratt, C.	Jacksonville.
1132 South Main St.	

Elmer David Read, C.	Jacksonville:
222 Sandusky St.	
Edward Ritter, S.	Mattoon.
145 N. Pine St.	
Lucien Smith, S.	Chapin.
Chapin.	
Edgar Howard Sturtevant, C.	Jacksonville.
252 Park St.	
Woodward Silas Terry, S.	Chapin.
Chapin.	
Lee Curtis Vinyard, S.	White Hall.
17 Crampton Hall.	
Charles David Williamson, S.	Petersburg.
1120 West College Ave.	

WHIPPLE ACADEMY.

SENIOR YEAR.

William Richard Blackburn	Jacksonville.
Charles Otis Boston	Jacksonville.
Edward Bowe	Denver, Col.
Arthur Travis Brittain	Cantrall.
William Ezra Doane	Perry.
John Stewart Dobyns	Jacksonville.
Myron Leslie Epler	Virginia.
Mendel Garbutt Frampton	Pittsfield.
Edward Henry Fulton	Jacksonville.
Michael Huffaker Grassley	Jacksonville.
Strahley Jay Hallowell	Jacksonville.
Eugene Edward Hinrichsen	Jacksonville.
Harry Nathaniel Kirby	Jacksonville.

James Cheseldine Lathrop	Winchester.
William Walter Moore	Jacksonville.
Kent Stewart Nelson	Harvel.
Willard Holbrook Palmer	Jacksonville.
Harrison Wallace Petefish	Literberry.
Fred Orren Philbrook	Forrest.
John Albert Pugh	Waverly.
Harry Wakeman Russell	Centralia.
Frederic Chauncey Tanner	Jacksonville.
Earl Vogel	Jacksonville.
Joseph Edgar Wharton	Jacksonville.

MIDDLE YEAR.

Elisha Brown Adams, Jr.	Jacksonville.
Francis Henry Burgess	Mendon.
Herbert Joseph Capps	Jacksonville.
Howard Turner Carriel	Jacksonville.
Harry Joy Dunbaugh	Jacksonville.
Frank Rumsey Elliott	Jacksonville.
Thomas Langrieul Harris	Kansas City, Mo.
Robert Carroll Kennedy	Jacksonville.
Albert Herd Rankin	Jacksonville.

JUNIOR YEAR.

Lewis Upton Alvord	Bement.
Elza Barton	Pleasant Plains.
William Brown Burr	Jacksonville.
Ward Angus Cameron	Jacksonville.
Lucas Pfeifferberger Caldwell	East St. Louis.
Percy Grierson Capps	Jacksonville.
George Maxwell Chambers	Jacksonville.
Charles Edward Cole	Jacksonville.

Frederick Locke Darling.	Topeka.
Arthur Shriley Doane	Jacksonville.
Henry Dickerman Dobyns	Jacksonville.
William Percy Duncan	Jacksonville.
William Sanders Elliott	Jacksonville.
William Englebach	Arenzville.
Ralph Waldo Emerson Funk	Alexandria.
William Herbert Ginder	Arenzville.
Malcolm Edward Greenleaf	Jacksonville.
Julian W. Hall	Jacksonville.
Elmer Ellsworth Johnson	Arcadia.
Julius George Kirby	Jacksonville.
Harry Elmore Kitner	Jacksonville.
Edward Murrey King	Jacksonville.
Arthur M. Masters	Jacksonville.
Alexander Allen McDonald	Jacksonville.
Robert E. McKenzie	Jacksonville.
Levi Pearson	Jacksonville.
Luther Johnson Poffenbarger	Jacksonville.
Wilbert Hoyt Sanford	Jacksonville.
Harry Maxwell Stout	Jacksonville.
Lawrence E. Tucker	Jacksonville.
Herbert Samuel Walker	Jacksonville.
Henry Clinton Wiswall, Jr.	Island Grove.
William Guthrie Young	Jacksonville.

ENGLISH YEAR.

Lloyd Lackland Adams	Jacksonville.
Allen Brownell Ayers	Jacksonville.
Allen Farrell Ayers	Jacksonville.
Chauncey Bevers	Jacksonville.
Ewen William Cameron	Jacksonville.

Frederick C. Carriel	Jacksonville.
Frederick Coffin Coleman	Jacksonville.
Charles E. B. Crosby	Jacksonville.
James W. Crum	Literberry.
Elton Marquis Crum	Literberry.
Reuel George Crum	Literberry.
John H. Ethel	Jacksonville.
Harris Carriel Gordon	Jacksonville.
Scott Bryant Greene	Jacksonville.
Allen Herrin	
William Harrison Jefferson	Jacksonville.
Allen King	Jacksonville.
William Claude Lurton	Jacksonville.
John Lee Myers	Jacksonville.
George Edwin Rayhill	Jacksonville.
William Lang Rogerson	Jacksonville.
Frank A. Scherz	Jacksonville.
Thomas W. Stockdale	Springfield.
George Relley Whittlesey	Lafayette, Ind.
Richard Yates	Jacksonville.

SPECIAL STUDENTS.

The following have taken special courses of College or Academy studies:

Nathan Corson	Ashland.
Edward Rumsey Elliott	Jacksonville.
William Bryden Jess	Jacksonville.
Harvey Ellsworth Leib	Exeter.
Merle McFarland	Jacksonville.
Arthur S. Mitchell	Hot Springs, Ark.
Harry J. Ratighan	Exeter.

TRIENNIAL CATALOGUE

OF

ILLINOIS COLLEGE.

1894.

OFFICERS OF GOVERNMENT AND INSTRUCTION.

PRESIDENTS.

APPOINTED.

1831	Rev. Edward Beecher, D. D.
1844	Rev. Julian Munson Sturtevant, D. D., LL. D.
1876	Rufus C. Crampton, LL. D. (Acting)
1882	Rev. Edward A. Tanner, D. D.
1892	John E. Bradley, Ph. D., LL. D.

RETIREDFROM OFFICE.

1844
1876
1882
1892

TRUSTEES.

1829	Hon. Samuel Drake Lockwood	1868
1829	William C. Posey	1849
1829	John Park Wilkinson	1841
1829	Rev. Theron Baldwin, D. D.	1870
1829	Rev. John Flavel Brooks	1886
1829	Rev. Mason Grosvenor, D. D.	1833
1829	Rev. Elisha Jenney	1870
1829	Rev. William Kirby	1851
1829	Rev. Julian M. Sturtevant, D. D. LL. D.	1831
1829	Rev. Asa Turner	1844
1831	Rev. Edward Beecher, D. D.	1844
1831	Rev. John G. Bergen, D. D.	1872

1832	John Tillson	1853
1834	Rev. Gideon Blackburn, D. D.	1838
1835	Hon. Joseph Duncan	1844
1835	Thomas Mather	1853
1835	Winthrop S. Gilman	1844
1835	Frederick Collins	1877
1838	Rev. Thomas Lippincott	1869
1842	David A. Smith	1866
1844	David B. Ayers	1850
1844	William H. Brown	1848
1844	Rev. Julian M. Sturtevant, D. D., LL. D.	1876
1844	Rev. William Carter	1871
1849	Rev. Albert Hale	1885
1852	Rev. Livingston M. Glover, D. D.	1870
1852	Rev. Edwin Johnson	1858
1852	John W. Lathrop	1886
1853	Hon. Richard Yates, LL. D.	1860
1854	John James, M. D.	1860
1859	Hon. Henry E. Dummer	1878
1860	Hon. James Berdan	1875
1860	Joshua Moore	1872
1866	Eliphalet W. Blatchford	1875
1868	Hon. Newton Bateman, LL. D.	1876
1870	Rev. William H. Savage	1877
1870	Rev. John K. McLean	1872
1871	Edward P. Kirby, LL. D.	—
1871	Col. Charles G. Hammond	1875
1871	Lorenzo Bull	1876
1874	Rev. Constans L. Goodell, D. D.	1886
1874	Rev. Martin K. Whittlesey, D. D.	1886
1875	Hiram K. Jones, M. D., LL. D.	1886
1875	Daniel W. Fairbank	1892
1876	Julius E. Strawn	—
1877	Lloyd W. Brown, M. D.	—
1877	Gen. Erastus N. Bates	1879
1877	Harvey W. Milligan, A. M., M. D.	1882
1878	Rev. William H. Collins	—
1879	Marshall P. Ayers	—
1878	William C. Goudy, LL. D.	1880
1880	Rev. George C. Adams	1890
1882	Robert Hockenhull	1888

1885	Frank W. Tracy	—
1885	Charles S. Rannels	—
1886	Thomas C. MacMillan	—
1886	Charles Ridgely	—
1886	Robert D. Russell	—
1886	Aaron B. Mead	—
1886	Thomas J. Pitner, M. D.	—
1888	Bedford Brown, M. A.	—
1891	William D. Marsh	—
1891	Charles H. Morse	—
1891	Edward W. Gillett	—
1891	Ensley Moore	—
1893	Henry F. Carriel	—

TREASURERS.

1829	John Park Wilkinson	1836
1836	Nathaniel Coffin	1848
1848	Joseph H. Bancroft	1850
1850	Hon. Samuel D. Lockwood	1852
1852	Henry S. Dutch	1852
1852	Samuel L. Whipple, M. D.	1858
1858	Hon. James Berdan	1869
1869	Hon. Henry E. Dummer	1874
1874	Edward P. Kirby, LL. D.	—

PROFESSORS.

Intellectual and Moral Philosophy.

1831	Rev. Edward Beecher, D. D.	1844
1844	Rev. Julian M. Sturtevant, D. D., LL. D.	1870
1886	Rev. Edward A. Tanner, D. D.	1892
1892	John E. Bradley, Ph. D., LL. D.	—

Mental Science and Science of Government.

1870	Rev. Julian M. Sturtevant, D. D. LL. D.	1886
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Moral Philosophy and Evidences of Christianity.

1870	Rev. Mason Grosvenor, D. D.	1880
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Natural Theology and Evidences of Christianity.

1886	Rev. Edward A. Tanner, D. D.	1892
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Mathematics, Natural Philosophy and Astronomy.

1831	Rev. Julian M. Sturtevant, D. D., LL. D.	1844
1849	William Coffin, A. M.	1852

Mathematics and Astronomy.

1854	Rufus C. Crampton, A. M., LL. D.	1888
1891	James B. Shaw, Jr., M. S.	—

Latin and Greek Languages and Literature.

1834	Rev. Truman M. Post, D. D.	1847
1848	Rev. Reuben S. Kendall	1852
1853	Rev. Rufus Nutting, D. D.	1866

Rhetoric and English Literature.

1833	Rev. Jonathan B. Turner	1847
1854	Rev. William D. Sanders, D. D.	1869
1872	Rev. Charles W. Clapp	1876
1877	S. S. Hamill, A. M.	1878
1882	Harvey W. Milligan, A. M., M. D.	—

Natural Philosophy, Chemistry and Natural History.

1838	Samuel Adams, A. M., M. D.	1877
------	----------------------------	------

Latin Language and Literature.

1855	Rev. Edward A. Tanner, D. D.	1885
1886	Harold W. Johnston, Ph. D.	—

Natural Sciences.

1871	Henry E. Storrs, A. M., Ph. D.	1887
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Greek Language and Literature.

1883	Edward B. Clapp, A. M., Ph. D.	1890
1892	Milton E. Churchill, A. M., B. D.	—

Philosophy.

1886	Hiram K. Jones, LL. D.	—
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Agricultural Science.

1886	Samuel W. Parr, M. S.	1890
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Pedagogy.

1892	Rev. Joseph R. Harker, A. M.	1893
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Theory and Practice of Medicine.

1843	Daniel Stahl, M. D.	1844
1845	John James, M. D.	1847

Anatomy and Physiology.

1843	David Prince, M. D.	1845
1845	John L. Miller, M. D.	1847

Obstetrics.

1843	Henry Jones, M. D.	1848
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Materia Medica and Therapeutics.

1843	Samuel Adams, M. D.	1845
1845	Edward Mead, M. D.	1846
1846	Henry Wing, M. D.	1848

Surgery and Anatomy.

1844	William B. Herrick, M. D.	1844
1845	David Prince, M. D.	1848

Chemistry and Physical Etiology.

1845	Samuel Adams, M. D.	1848
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INSTRUCTORS.

1830	Julian M. Sturtevant	1831
1841	William Kirby	1835
1832	Erastus Colton	1834
1833	Truman M. Post	1834
1833	Jonathan B. Turner	1834
1835	Zerah K. Hawley	1835
1835	Reuben Gaylord	1837
1839	Robert W. Patterson	1840
1843	Samuel Willard	1844
1844	William H. Starr	1846
1844	William Coffin	1849
1846	George W. Harlan	1848
1847	Rensselaer Winchell	1848
1848	Levi P. Crawford	1850
1849	Alfred L. Harrington	1852
1850	William Bishop	1852
1852	Spooner Ruggles	1852
1852	Joseph C. Pickard	1856
1852	Henry M. Tupper	1854
1852	Edward Ruggles	1853
1853	James H. Blodgett	1854
1854	Alfred N. Denny	1855
1855	Julian M. Sturtevant, Jr.	1856
1856	James W. Sturtevant	1857
1865	William Dodd	1866
1865	Franklin Adams	1865
1865	J. Tilden Moulton	1866
1866	George B. Dodge	1867
1866	James H. Palmer	1867

1869	George W. Bailey	1882
1870	Henry E. Storrs	1871
1870	S. F. Randall	1871
1870	Alfred H. Sturtevant	1883
1874	Clement L. Clapp	1875
1875	Frederick A. Brown	1876
1876	Charles B. Reynolds	1878
1878	George R. Walker	1880
1880	Harold W. Johnston	1886
1881	Clarence D. Rogers	1881
1882	Hiram T. Smith	1882
1882	Edward B. Clapp	1883
1884	Herbert M. Clarke	1885
1884	Joseph R. Harker	1892
1885	Samuel W. Parr	1886
1887	John C. Rice	1888
1887	Edward Capps	1888
1887	Murray M. Morrison	1888
1888	George L. Merrill	—
1888	Thomas W. Smith	1890
1888	J. Howard Pratt, Jr.	1890
1890	James B. Shaw	1891
1890	John M. Clapp	—
1890	Henry E. Scott	1891
1891	Truman P. Carter	—
1891	Milton E. Churchill	1892
1892	Frederick W. Sanford	—
1893	Augustus Walters, A. M.	1894

CATALOGUE OF ALUMNI,

FROM 1835 TO 1894.

The Faculty desire to make the next Register more accurate and complete, and will be grateful to any one who will call attention to errors or omissions in the present one. All alumni are urged to notify the Secretary of the Faculty of changes of address, later degrees and official positions.

1835.

- *✓ Spilman, Rev. Jonathan E., D. D., Central Univ. ~~Carmi~~ *Alton*
 2—*Yates, Richard, LL. D., Beloit College.

1836.

- Barton, Rev. Charles B., A. B. Jacksonville.
 *Morse, James K., A. B.
 *Dixon, Rev. Alvin M., A. M.
 4—*Stewart, James P., A. M. Philadelphia, Pa.

1837.

- *Blood, Rev. Charles E., A. M.
 *Patterson, Rev. Robert W., D. D., Hamilton Col.
 3—*Scofield, Rev. Edward, A. M.

1838.

- *Burritt, William H., A. B.
 *Carlin, Rev. William H., A. B.
 *Curtiss, Rev. William S., D. D., Madison Univ.
 ✓ Hall, Rev. Eli E., A. M., LL. B., Yale Univ. Fair Haven, Conn.
 *Hitchcock, Rev. Allen B., A. B.
 Laurie, Rev. Thomas, D. D., Williams College. Providence, R. I.
 *Mears, Rev. Rollin, A. M.
 *Nelson, Rev. David D., A. B.
 ✓ 9—Perry, Rev. Ralph, A. M. Agawam, Mass.

1839.

- *Chandler, Jesse, A. B.
 *Curtiss, Rev. George C., D. D., Hamilton College. Rochester, N. Y.

*Goudy, Calvin, A. M., M. D., Univ. of Missouri.

*Goudy, Robert, A. B., M. D.

*Graves, Rev. Joseph S., A. M.

Niles, Mich.

*Kendall, Rev. Reuben S., A. M.

*Porter, Joseph N., A. B.

8—*Simpson, Rev. Charles D., A. M.

1840.

*Hicks, Rev. Marcus, A. M.

*Holmes, Rev. William, A. M.

*Jones, Rev. Williston, A. M.

*Kenworthy, Rev. Thomas C., A. B.

*Nelson, Henry A., A. B.

*Pearson, Rev. Reuel M., A. M.

*Pyle, Rev. George, A. M.

✓ Turner, Rev. Edward B., A. B.

Owego, N. Y.

9—*Wells, Rev. Shepard, A. M.

1841.

Chapman, John H., A. B.

Marion, Ala.

*Coffin, Rev. William, A. M.

Dunham, Lavinus, A. B., M. D., Univ. of Mo.

St. Louis, Mo.

4—Spencer, Joseph, A. B.

1842.

*Bradley, William P., A. M.

Estabrook, Abel W., A. B.

✓ Fagg, Thomas J. C., LL. D. *Hon.*

Fairbank, Rev. Samuel B., D. D.

Abmednugger, India.

✓ Lowe, Jeremiah D., A. B.

Chicago.

*Lyman, Azel S., A. B.

7—*Whitney, Jackson D., A. B.

1843.

✓ Ayers, Marshall P., A. B.

Jacksonville.

Baker, Edwin S., A. B.

Cherry Vale, Kan.

✓ Bateman, Newton, LL. D.

Galesburg.

Beecher, Rev. Thomas K., D. D.

Elmira, N. Y.

*Merritt, Rev. William C., A. M.

Morton, John T., A. M.

Topeka, Kan.

*Starr, Rev. William H., A. M.

*Strode, Rev. Eugene, A. M.

*Thayer, Charles F., A. B.

✓ 10—Willard, Samuel, A. M., M. D.

Chicago.

865 Jackson Bond

1844.

- Henry, Rev. James H., A. M. Burlington, Iowa.
 Howell, Rev. John S., A. B.
 Jones, Hiram K., M. D., LL. D. Jacksonville.
 *Phillips, Parmenio L., A. M., M. D. Virginia.
 *Tillson, Charles H., A. B.
 6—*Wing, Henry, A. M., M. D.

1845.

- Blatchford, Eliphalet W., A. M. 71 Clinton St., Chicago.
 *Carter, William C., A. B. Jacksonville.
 Catlin, Rev. William E., A. M. White Sulphur Springs, Mont.
 *Collins, Henry T., A. M. Emporia, Kan.
 *Goudy, William C., LL. D.
 *Ireland, Rev. William, A. M.
 Jones, Erastus S., A. M., M. D. St. Louis, Mo.
 *Lewis, Barbour, A. M.
 *Lyons, Henry M., A. M., M. D., College Physi-
 cians and Surgeons, N. Y.
 Ward, Timothy, A. B.
 11—Winchell, Rev. Rensselaer, A. M. New York City.

1846.

- *Baldwin, Florence E., A. M.
 ✓ Harlan, Rev. George W., A. M. Farmington, Mo.
 3—*Shaw, John B. A. M.

1847.

- ✓ Ayers, Augustus E., A. B. Jacksonville.
 ✓ Bishop, Rev. William, D. D., Highland Univ. Salina, Kan.
 ✓ Clark, John G., A. B. Lancaster, Wis.
 Epler, Cyrus, A. B. Jacksonville.
 Giddings, Frederick S., A. B., LL. B. Yale Univ. Madison, Wis. *noted*
 *Ireland, Rev. Henry P., A. B.
 ✓ Jayne, William, A. M., M. D., Univ. of Missouri. Springfield.
 8—*Wilkinson, Robert, A. M. Wathena, Kan.

1848.

- *Craig, David, A. B.
 ✓ Crawford, Rev. Levi P., A. M. Pasadena, Cal.
 *English, James W., A. M.
 *Lippincott, Charles E., A. M., M. D., St. Louis
 University.
 Pierson, Rev. George, A. M. Solomon, Kan.
 Strawn, Rev. William, A. M. Odell.
 ✓ 7—Van Eaton, Henry S., A. M. Woodville, Miss.

1849.

- Crawford, Phineas, W., A. B. Dubuque, Iowa.
 *Doane, Rev. Edward T., A. B.
 *Engelbach, Herman, A. B.
 Harrington, Rev. Alfred L., A. M. Pawnee City, Neb.
 Thayer, Rev. Gustavus H., A. M. Waverly.
 6—*Williams, James H., A. M.

1850.

- ✓ Collins, Rev. William H., A. M. Quincy.
 2—*Ruggles, Rev. Edward, A. M.

1851.

- *Dunham, Cornelius, A. M. Grinnell, Iowa.
 English, John W., A. B. Pt. Pleasant, W. Va.
 Gladney, Charles, A. B. Annada, Mo.
 *Ruggles, Rev. Spooner, A. B.
 5—*Vanstavoren, Rev. Abraham, A. B.

1852.

- Chambers, Roland R., A. B. Jacksonville.
 Dixon, Rev. J. J. A. T., A. M. Bunker Hill, Kan.
 Knox, William, A. M., M. D., University of Louisville.
 Prince, Edward, A. B. ~~17 Quincy St., Brooklyn, N. Y.~~ Quincy.
 *Smith, Thomas W., A. M.
 Stryker, Henry, A. M. Jacksonville.
 7—Tunnell, Rev. Robert M., A. B. Manhattan, Kan.

1853.

- ✓ Blodgett, James H., A. M. Rockford.
 ✓ Fisk, Rev. Eli C., A. M. Havana.
 Merrill, Stephen A., A. B., M. D. Lyons, Iowa.
 Selby, Paul, A. M. Springfield.
 5—Sydnor, Antony W., A. B. Columbia, Mo.

1854.

- Bishop, Robert H., A. B. Salina, Kan.
 *Denny, Rev. Alfred N., A. M.
 *Happy, William W., A. M.
 *Jones, Cumberland G., A. M., M. D., St. Louis Medical College.
 ✓ Keyes, Charles A., A. B. Springfield.
 Kirby, Edward P., LL. D. Jacksonville.
 *Laurie, Rev. Inglis, A. B.
 ✓ Nash, Daniel B., A. M. Davenport, Iowa.

- ✓ Ridgely, Charles, A. M. Springfield.
 Roberts, Rev. James G., D. D., Drury College. Brooklyn, N. Y. 333
 Sturtevant, Rev. Julian M., Jr., D. D. Aurora.
 * Gore, John, B. S. Virginia.
 12—Strong, John D., B. S. *Hon.* St. Joseph, Mo. *1855*

*Brown, Daniel J., A. B.

1855.

D. D. 6-11

42 Geo. F. Crocker
 43 John H. Crocker
 106 Rufus C. Crocker

H. E. Gordin, 418 - 8, 5th St.,
 Leadville, Col.

- 10—Morriss, Rev. James C., A. M.
 Moulton, Jotham T., Jr., A. M. *Winchester, Mo.*
 *Nutting, Rev. William J. G., A. B. Berlin.
 Smith, James D., A. M. Berlin.
 Smith, John P., A. M.
 *Sturtevant, J. Warren, A. M.
 *Geyer, Edward T., B. S.
 Moore, George W., B. S. *Hon.*
 14—Sewall, William W., B. S.

Farmington, Mo.

Berlin.

Berlin.

Jacksonville.

Carthage, Mo.

1857.

- Branson, Nathaniel W., A. B. *Hon.*
 ✓ Capps, Stephen R., A. M. Petersburg.
 ✓ Fairbank, Rev. John B., A. M. *D.D.* Jacksonville.
 *Gibbs, William H., A. M. *1854* Waverly.
 ✓ Kerr, Charles D., A. B. *Hon.* 69 Summitt Ave., St. Paul, Minn. *Soldier*
 *McLaughlin, Rev. James, A. B.
 Potts, William H., A. B. Whitehall.
 ✓ Shaw, James, A. B. *Hon.* Mount Carroll.
 Symonds, Edwin K., A. B. Quincy.
 *Tanner, Rev. Edward A., D. D.
 *Turner, Rudolphus K., A. M.

12—English, George H., B. S. Room 47 Shiedley Bld'g, Kansas City, Mo. *1855*

1849.

- Crawford, Phineas, W., A. B. Dubuque, Iowa.
 *Doane, Rev. Edward T., A. B.
 *Engelbach, Herman, A. B.
 Harrington, Rev. Alfred L., A. M. Pawnee City, Neb.
 Thayer, Rev. Gustavus H., A. M. Waverly.
 6—*Williams, James H., A. M.

1850.

- ✓ Collins, Rev. William H., A. M. Quincy.
 2—*Ruggles, Rev. Edward, A. M.

1851.

- *Dunham, Cornelius, A. M. Grinnell, Iowa.
 English, John W., A. B. Pt. Pleasant, W. Va.
 Gladney, Charles, A. B.
 *Ruggles, Rev. C.

- ✓ Fisk, Rev. Eli C., A. M. 399 — Rockford.
 Merrill, Stephen A., A. B., M. D. Havana.
 Selby, Paul, A. M. Lyons, Iowa.
 5—Sydnor, Antony W., A. B. Springfield.
 Columbia, Mo.
 1854. Shattuck, Ill.
 Bishop, Robert H., A. B. Salina, Kan.
 *Denny, Rev. Alfred N., A. M.
 *Happy, William W., A. M.
 *Jones, Cumberland G., A. M., M. D., St. Louis
 Medical College.
 Keyes, Charles A., A. B. Springfield.
 Kirby, Edward P., LL. D. Jacksonville.
 *Laurie, Rev. Inglis, A. B.
 ✓ Nash, Daniel B., A. M. Davenport, Iowa.

- ✓ Ridgely, Charles, A. M. Springfield.
 Roberts, Rev. James G., D. D., Drury College. Brooklyn, N. Y. 333
 Sturtevant, Rev. Julian M., Jr., D. D. Aurora.
 * Gore, John, B. S. Virginia.
 12—Strong, John D., B. S. *Hon.* St. Joseph, Mo. *1855*
 1855.
 *Brown, Daniel J., A. B.
 ✓ Burt, Rev. Jirah S., A. M. Pittsfield.
 *Noyes, Rev. George C., D. D.
 ✓ Finley, William H., B. S. Franklin, Neb.
 Lacey, Lyman, A. M. *Hon. President* Havana.
 ✓ Mathews, Asa C., A. M. *Hon. President* Washington, D. C.
 7—Van Eaton, Flavel H., B. S., M. D. Clearwater, Kan.
 1856.
 *Bates, Richard, A. B.
 Bergen, Abraham S., A. B. Topeka, Kan.
 *Eno, Francis V. L., A. M. *Hon.*
 Marsh, Henry L., A. B.
 ✓ McCord, Rev. Robert L., A. B. Lake City, Iowa.
 Morris, Rev. James C., A. M. Louisville, Ky.
 Moulton, Jotham T., Jr., A. M. *Lincoln* Farmington, Mo.
 *Nutting, Rev. William J. G., A. B.
 Smith, James D., A. M. Berlin.
 Smith, John P., A. M. Berlin.
 *Sturtevant, J. Warren, A. M.
 *Geyer, Edward T., B. S.
 Moore, George W., B. S. *Hon.* Jacksonville.
 14—Sewall, William W., B. S. Carthage, Mo.
 1857.
 Branson, Nathaniel W., A. B. *Hon.* Petersburg.
 ✓ Capps, Stephen R., A. M. Jacksonville.
 ✓ Fairbank, Rev. John B., A. M. *1890* Waverly.
 *Gibbs, William H., A. M. *1894*
 *Kerr, Charles D., A. B. *Hon.* 69 Summitt Ave., St. Paul, Minn. *1894*
 *McLaughlin, Rev. James, A. B.
 Potts, William H., A. B. Whitehall.
 ✓ Shaw, James, A. B. *Hon.* Mount Carroll.
 Symonds, Edwin K., A. B. Quincy.
 *Tanner, Rev. Edward A., D. D.
 *Turner, Rudolphus K., A. M.
 12—English, George H., B. S. Room 47, Shiedley Bld'g, Kansas City, Mo. *1894*

1858.

- ✓ Comer, Sater C., A. B. Elvaston.
 *Ferguson, William C., A. M.
 *Hanback, John E., A. B.
 Miller, Rev. John W., A. M.
 *Philbrick, Charles H., A. M.
 ✓ Wood, John H., A. M. Atlantic, Iowa.
 Ayers, James C., B. S. Aurora.
 *Ardery, Harrison W., B. S.
 ✓ Draper, Daniel M., A. M. *Hom.* Denver, Col.
 Epler, James M., B. S. *Hom.* Seattle, Wash.
 Epler, William F., B. S. Seattle, Wash.
 ✓ McCowan, James, B. S. *Englewood* Havana.
 *Moore, John A., B. S.
 14—*Rouse, George W., B. S.

1859.

- ✓ Bristow, Edmund H., A. M. *25 Hom.* Aberdeen, Miss.
 ✓ Eaman, John M., A. B. *Detrit, 9 miles* Chicago.
 *Eno, Edward B., A. M. *Roberts, Miss.* Cottage Grove, Minn.
 Gill, Rev. William, A. B. Jacksonville.
 McConnel, Edward, A. M. *Hom.* Jacksonville.
 Reed, Albert, A. B. New Orleans, La.
 *Reed, Lyman C., A. M. La Salle.
 *Roberts, Rev. George L., A. A. Springfield.
 ✓ Wolcott, Richmond, A. M. Jacksonville.
 ✓ Callon, William P., B. S. *Hom.*
 *Dayton, Ephraim, B. S.
 *Estabrook, Henry N., B. S.
 Gaty, Samuel T., B. S. St. Peters, Mo.
 *Jones, William W., B. S.
 15—Tindall, Daniel W., B. S., M. D., Univ. of Mich. Taylor, Mo.

1860.

- *Adams, Franklin, A. M. *Cole*
 Ballard, John A., A. M. *Sweller*
 *Booth, Thomas, A. B. 210 N. Third St., St. Louis, Mo.
 *Brown, Charles S., A. M. Springfield.
 Bulkley, Robert H., A. M. Chicago.
 ✓ Edgar, William H., A. B. *Keister, 7146* Louisiana, Mo.
 *English, William L., A. M.
 Smith, David B., A. M. Jacksonville.
 ✓ Smith, John A., A. M. Jacksonville.

- Turner, John B., A. B.
 ✓ Hamilton, Elisha B., A. M. *Cremona*
 12—*Turner, William H., B. S. 1861. *Belleville, Mo.*
 ✓ Berry, Milton, A. B. *Belleville, Mo.*
 *Brown, John W., A. B.
 *Cassell, Harrison O., A. B. *Union Station*
 *Epler, Myron L., A. B.
 Halbert, Robert A., A. M. Belleville.
 Hamilton, Samuel S., A. M. Bordeaux Sur Garonne, France. *on*
 Lansden, John M., A. B., LL. B., Albany Law Sch. Cairo.
 ✓ Post, Henry M., A. B. St. Louis, Mo.
 *Saunderson, Michael, A. B.
 Strawn, Julius E., A. B. Jacksonville.
 ✓ Whipple, Nathaniel L., A. B., M. D., St. Louis Medical College. Pleasant Gap, Mo.
 ✓ Craig, James W., B. S. *St. Louis, Mo.* Jacksonville.
 *English, George A., B. S.
 *Fry, John D., B. S.
 ✓ Keplinger, Hardin G., B. S. Franklin.
 16—Littell, Stephen B., B. S. *Winfield, Kan.* 1862. *2104/183-11/11/6*
 ✓ Bergen, Rev. George S., A. M. Blairstown, N. J.
 *Capps, William E., A. M. Jacksonville.
 *Gallaher, William G., A. M.
 ✓ Garlick, Joshua P., A. B. *Worcester* Oakland, Cal.
 Hitchcock, Norman S., A. B. San Francisco, Cal.
 Martin, J. C., A. M. *Union* Oakland, Cal.
 *Newman, Jesse B., A. M.
 *Oliver, William C., A. B. *216 Chestnut St.*
 Thompson, David W., A. M. Englewood.
 ✓ Wakeley, Thomas A., A. M., M. D., Rush Medical College. Jacksonville.
 *Wood, George G., B. S.
 11—Pitner, Thomas J., B. S., M. D., Columbia Coll. Jacksonville. 1864. *San Francisco, Cal.*
 Atkinson, Rev. William H., A. B. Chester Center, Ia.
 ✓ Brown, James A., A. M. Cynthia, Ky.
 Cutler, Rev. William A., A. B. Fairmount, Minn.
 Dickinson, Rev. Ferdinand W., A. B. Walton, N. Y.
 *Masters, William T., A. B. *London*
Carlisle
Watson, Ind.

McClung, Rev. John S., A. B.

Arkansas City, Kan.

7—Parker, Martin V. B., A. B.

Olathe, Kan.

1865.

Douglas, Rev. Truman O., A. B.

Grinnell, Iowa.

Hamilton, Eli B., A. B.

Hutchinson, Kan.

Turner, Charles A., A. B.

Macon.

Brenholt, John J., B. S.

Alton.

King, Rev. David, B. S.

Independence, Kan.

6—Metcalf, Hiram B., B. S.

1866.

Bristow, Frank L., A. M. Cor. Scott and 11th St., Covington, Ky.

Cassell, Martin H., A. B., M. D., Rush Med. Coll. Davenport, Iowa.

Taylor, Francis A., A. M.

Apopka, Fla.

Carter, Joseph N., B. S.

Quincy.

Foster, William H., B. S.

2111 Vine St., Kansas City, Mo.

Green, Oliver S., B. S.

Chicago.

7—Masters, James D., B. S.

1867.

Brown, Benjamin W., A. B.

Berlin.

Campbell, Ernest L., A. B.

23 Montgomery St., San Francisco, Cal.

Holmes, John M., A. M.

St. Louis, Mo.

*Jones, Frederick A., A. B.

*Mason, Ebenezer, A. M.

Reynolds, Thomas, A. B.

Jacksonville.

Dunn, Edward, B. S.

St. Louis, Mo.

Govert, William H., B. S., LL. B., Univ. of Mich.

Quincy.

9—Morrison, John G., B. S., LL. B., Univ. of Mich.

St. Paul, Neb.

1868.

Barber, George C., A. B.

Humboldt, Kan.

Barber, Edward A., A. B.

Humboldt, Kan.

Fayerweather, William F., A. B.

Denver, Col. Kansas

Meek, Joseph A., A. B.

Englewood.

Paxson, Alfred A., A. M., LL. B., Washington

University.

Cor. 5th and Olive Sts., St. Louis, Mo.

Beggs, Robert H., B. S.

Denver, Col.

McCann, Franklin M., B. S.

Quincy.

Miller, George W., B. S., M. D., Mo. Med. Coll.

Woodson.

Moore, Ensley, B. S.

Jacksonville.

Munroe, James E., B. S.

Chicago.

11—Williams, George W., B. S.

Seneca, Kan.

1869.

- ✓ Bailey, George W., A. M. Denver, Col.
 *McClintock, John H., B. S.
 Spears, John H., B. S. Chicago.
 ✓ Robertson, John T., B. S. Virginia.
 ✓ 5— White, Robert, B. S. Knox City, Mo.

1870.

- Brown, Albert C., A. B., M. D., Bellevue Hospital
 Medical College. Waverly.
 King, Wm. M., A. B. ~~Cor. 1st Ave. and 14th St.~~ New York City. 1102
 Morrison, Rev. Theodore N., A. B. Chicago.
 Stevens, John S., A. B. Chicago.
 Sturtevant, Alfred H., A. M. Jacksonville.
 ✓ Turner, Howard A., A. B. Minneapolis, Minn.
 Baker, Francis M., B. S. Atchison, Kan.
 ✓ Grimes, John M., B. S. Metropolitan Block, Chicago.
 ✓ 9— King, Joseph R. H., B. S. Wichita, Kan.

1871.

- ✓ Russell, Robert D., A. M. 505 Temple Court, Minneapolis, Minn.
 ✓ Wing, Edgar D., A. M., M. D., Bellevue Med. Col. Galesburg.
 Brown, Charles G., B. S., M. D., Long Island
 Medical College. Spokane Falls, Wash.

- ✓ Bryson, Orpheus C., B. S. Louisiana, Mo.
 ✓ Doocey, Edward, B. S. Pittsfield.
 *McDonald, Edward L., B. S., LL. B., Mich. Univ.
 ✓ McDonald, Frederick A., A. M. The Dalles, Ore.
 ✓ 8— Morrison, Thomas A., B. S. Coon, Iowa.

1872.

- ✓ Lippincott, Julian P., A. M. Jacksonville.
 Simms, Julian R., A. M., M. D., Mo. Med. Coll. Union Grove, Wis.
 ✓ Stout, Jacob V. D., A. B. Jacksonville.
 Wood, William D., A. M. Salt Lake City, Utah.
 *Ellison, A. Josiah, B. S.
 Kellogg, Franklin E., B. S. Goleta, Cal.
 ✓ 7— Pomeroy, Samuel F., B. S. Edgar, Neb.

1873.

- *Johnson, Rev. Wm. M., A. M., B. D., Boston Univ.
 *Stewart, Henry C., A. B.
 ✓ Winterbottom, Rev. Joseph, A. B. Saybrook.
 ✓ Kellogg, Florentine L., B. S. Santa Barbara, Cal.
 *McDonald, Francis I., B. S.

*Montgomery, Albon S., B. S.

Ross, George C., B. S., LL. B., Univ. of Mich. *Belmont* Redwood City, Cal.

Sanders, William B., A. M., LL. B., Albany Law School.

846 Euclid Ave., Cleveland, Ohio.

9— Ward, James R., B. S.

Chicago.

1874.

*Brown, Frederick A., A. B.

✓ Day, Henry P., A. M.

Peoria.

Root, Chauncey A., A. B.

Waverly

Brown, Sylvester S., B. S.

Topeka, Kan.

Prince, Arthur E., Ph. D., M. D., Univ. of N. Y.

Springfield.

6— Rice, Albert C., B. S.

Jacksonville.

1875.

✓ Clapp, Edward B., A. M., Ph. D., Yale Univ.

Berkeley, Cal.

Wing, Elbert, A. M., M. D., Chicag Med. Coll.

Chicago.

Rice, Walter S., B. S.

Jacksonville.

4— Rutledge, James O., B. S.

Jacksonville.

1876.

Block, Emanuel D., A. B., M. D.

Black Jack, Mo.

✓ Dummer, Charles Henry, A. B.

Chicago.

✓ Epler, Carl E., A. M., LL. B., Univ. of Mich.

Quincy.

✓ Grout, Joseph M., A. M.

Springfield.

✓ Turner, Frederic C., A. B.

Jacksonville.

✓ Connell, Joseph B., B. S., LL. B., Univ. of Mich.,

M. D., Kan. City Med. Coll. 1223 Grand Ave., Kansas City, Mo.

✓ Dodsworth, William T., B. S.

Jacksonville.

✓ Kellogg, William R., B. S.

Jamestown, S. D.

9— Morrison, William W., B. S.

Coin, Iowa.

1877.

✓ Ayers, Edward A., A. M., M. D., Univ. City of

New York

151 E. 34th St., New York.

✓ Elliott, Henry, A. B.

Chicago.

Todd, Rev. David E., A. B.

Cameron, Mo.

4— *Morrison, Wilbur A., B. S.

1878.

✓ Morrison, Rev. Charles R., A. M.

North Harvey.

Palmer, Everett B., A. B.

Pierre City, Dak.

✓ Connell, Charles Herbert, B. S.

Los Angeles, Cal.

✓ Morse, Charles L., B. S.

105 W. Sixth St., Kansas City, Mo.

✓ Smith, Frank E., B. S.

280 Broadway, New York City.

6— Wadsworth, Henry E., B. S.

Jacksonville.

1879.

- ✓ Curtiss, Charles F., A. B. Waverly.
 ✓ Dennis, T. Fletcher, A. M., LL. B. Washington, D. C.
 ✓ Johnston, Harold W., A. M., Ph. D. Jacksonville.
 Rannells, Charles S., A. B. Pisgah.
 ✓ Sanders, Charles S., A. B. Lincoln, Neb.
 Antle, Thomas P., B. S., M. D. Petersburg.
 ✓ Downing, James M., B. S. Aspen, Col.
 Downing, John F., B. S. New England Bld'g, Kansas City, Mo.
 ✓ Hockenhull, Robert M., B. S. Jacksonville.
 Moulton, Herbert, A., B. S., M. D. Ft. Smith, Ark.
 Nusbbaum, Charles, B. S., LL. B., Univ. of Mich. Petersburg.
 Rice, William P., B. S. Jacksonville.
 13—Sanders, J. Kent., B. S., A. B., M. D.

645 Prospect St., Cleveland, Ohio.

1880.

- ✓ Butler, Rev. Elmer W., A. B., B. D., Chicago Theological Seminary. Windsor, Wis.
 *Cherryholmes, Rev. James C., A. B.
 *Clapp, Elliott Lee, A. B.
 Collier, John, A. B. Red Canon City, Wy.
 ✓ Crocker, George L., A. M., D. V. S. Springfield.
 ✓ Epler, Ernest G., A. B., M. D. Ft. Smith, Ark.
 ✓ Kaime, Edwin F., A. B. St. Louis, Mo.
 ✓ Moseley, Theodore F., A. B. Omaha, Neb.
 ✓ Thome, Arthur G., A. M., M. D. Chicago.
 Wing, Horace B., A. B., M. D. Los Angeles, Cal.
 ✓ Yates, Richard, A. M., LL. B., Univ. of Mich. Jacksonville.
 ✓ Carter, William W., B. S. Jacksonville.
 Goodin, Hardin E., B. S. Leadville, Col.
 ✓ Green, Edgar N., B. S. Denver, Col.
 ✓ Shaw, Rev. Wm. B., B. S., LL. B., Un. of Chicago. Dorous, Kan.
 Simons, Henry C., B. S. Virden.
 Wait, George G., B. S. Cheney, Neb.
 18—*Ware, Joseph E., B. S.

1881.

- ✓ Brown, William B., A. B. Alexander.
 Bryan, William J., A. M., LL. B., University of Chicago, M. C. Lincoln, Neb.
 *Crampton, Edward H., A. B.
 Drennan, John B., A. B., LL. B., Un. of Mich. Decatur.

- Hulett, Granville A., A. B., M. D. Springfield.
 McKinney, Rev. Samuel J., A. B. Jacksonville.
 *Morris, John B., A. B.
 ✓ Beekman, William H., B. S. Omaha, Neb.
 ✓ Donahue, Jeremiah, B. S., LL. B., Un. of Mich. Decatur.
 Eveland, Rev. Samuel, B. S. Reinbeck, Iowa.
 Fisher, Walter E., B. S., M. D. Washington, D. C.
 *Kinnett, Oscar F., B. S.
 ✓ Rutledge, Charles G., B. S. Jacksonville.
 Stewart, Francis W., B. S. Forrest.
 ✓ 15—Wadsworth, Rev. Julian S., B. S. Centerville, R. I.
 1882. ✓ Hess, Jacob D., A. M. Pittsfield.
 ✓ Babb, James E., B. S., LL. B., Union Col. of Law. Lewiston, Idaho.
 ✓ Bowers, William R., B. S. Springfield.
 Cones, Woods, B. S. Wisner, Neb.
 *Keeney, James F., B. S.
 ✓ Munroe, William, B. S. Muskegon, Mich.
 ✓ Schermerhorn, Charles B., B. S. Jacksonville.
 8—*Small, Amos W., B. S.
 1883. ✓ Adcock, Houston C., A. B. Chicago.
 *Birch, Frank L., A. M.
 ✓ Holmes, Eugene D., A. M. Minn. Academy, Minneapolis, Minn.
 ✓ Welles, Charles H., A. B. Divernon.
 ✓ Black, Carl E., B. S., M. D., Chicago Med. Col. Jacksonville.
 Browning, Quincy E., B. S. Benton.
 ✓ Clark, Edward E., B. S. Quincy.
 *Hackman, Albert W., B. S.
 ✓ McKinnell, Frederick, B. S. North Ontario, Cal.
 McVey, William E., B. S. Wichita, Kan.
 11—Slater, Wm. H., B. S. Room 304, Exch. Bld'g, Kansas City, Mo.
 1884. ✓ Brown, Bedford, A. M. Hastings, Neb.
 Gardner, William, A. M. Rapid City, Dak.
 ✓ McLaughlin, William K., A. M. Jacksonville.
 *Stevens, Arthur L., A. B.
 *Dikis, Hugh F., B. S.
 Dunaway, Allen G., B. S., M. D. Virginia.
 ✓ Hand, William H., B. S., M. D. Whitehall.
 Irving, Edward P., B. S. Decatur.

- 34
- Broom
- Lacey, Lyman, Jr., B. S. Havana.
- *Price, George W., B. S. 100 Sixth Ave., Council Bluffs, Ia.
- 11 *Stevenson, Frank M., B. S. 1885. *Union*
- ✓Atkins, Herbert F., A. B. Cambridge, Mass.
- ✓Capps, Alfred T., A. B. Jacksonville.
- ✓Carter, Truman P., A. B., B. S., M. A. Jacksonville.
- ✓Davenport, Ira W., A. B. Jacksonville.
- Humphrey, Wm. D., A. B., M. D., Chicago Med. Col. Virginia.
- ✓Rice, John C., A. B., LL. B., Cornell Univ. Caldwell, Idaho.
- Rockwell, George D., A. B. Chicago.
- *Beggs, John T., B. S. New York.
- ✓Bond, Sterling P., B. S. St. Louis, Mo.
- Burrus, George M., B. S. Mercedosia.
- Carriel, Harry B., B. S., M. D. Chicago.
- 12—Dalbey, James W., B. S., M. D., Coll. Physicians and Surgeons, N. Y. Cedar Rapids, Ia.
- 1886.
- ✓Baldwin, Charles O., A. B. Duluth, Minn.
- Galbraith, Rush D., A. B. Denver, Col.
- Rider, Rev. Arthur W., A. B. Los Angeles, Cal.
- Fallis, Montana S., B. S. Denver, Col.
- *Irving, Francis M., B. S.
- ✓Lewis, William N., B. S. 2912 Williams St., Denver, Col.
- Nesbit, Thomas W., B. S. Virginia.
- *Smith, Elisha B., B. S.
- Strawn, Ferdinand L., B. S. Jacksonville.
- ✓9—Wall, William G., B. S. Murphysboro.
- 1887.
- ✓Capps, Edward, A. B., Ph. D., Yale Univ. Chicago.
- ✓Smith, Thomas W., A. B. 29 West 65th St., New York.
- Coultas, Rufus J., B. S., M. D. Mattoon.
- Dunavan, Lewis W., B. S., M. D. Chicago.
- Hall, John R., B. S. Jacksonville.
- ✓Whiteley, Robert H. K., B. S. Detroit, Mich.
- ✓7—Wilson, Hugh M., B. S. Monadnock Bld'g., Chicago.
- 1888.
- ✓Catlin, Donald C., A. B. Jacksonville.
- ✓Cross, Albert M., A. B. Chicago.
- Day, Alfred E., A. B. Beirut, Syria.
- ✓Harker, Rev. Joseph, A. M., Ph. D. Jacksonville.

✓ McElfresh, William E., A. B.	Cambridge, Mass.
✓ Read, Frank, Jr., A. B.	Jacksonville.
✓ Russel, Rev. James G., A. B.	Jacksonville.
✓ Tanner, Rev. Allen A., A. M.	Jacksonville.
✓ Wilson, George H., A. M. <i>Hon.</i>	Quincy.
✓ Cochrane, Robert L., B. S.	Duluth, Minn.
✓ Frackelton, Robert J., B. S.	Petersburg.
Kehoe, John E., B. S. <i>able 20th</i>	Chicago.
✓ Merrill, George L., B. S.	Jacksonville.
*✓ Richardson, Thomas D., B. S.	Jacksonville.
15—Watkins, George B., B. S.	Petersburg.

1889.

*Beadles, Walter S., A. B.	
✓ Rowe, Charles A., A. B.	Jacksonville.
✓ Sanders, Clarence E., A. B.	Jacksonville. <i>3rd</i>
✓ Triplett, Norman, A. B., A. M.	Quincy.
✓ Walker, John A., A. B., M. D.	Jacksonville. <i>9 all</i>
✓ Craig, Andrew M., B. S. <i>270</i>	Lincoln, Neb. <i>Can</i>
✓ Filson, William N., B. S., A. B.	Hastings, Neb.
Smith, James D., B. S.	New Berlin.
Woods, Raymond, B. S. <i>275</i>	Wahpeton, N. D. <i>St</i>
✓ Brown, Robert R.	Divernon.
11—Drury, Frank E.	Orleans.

1890.

✓ Baldwin, Albert, A. B.	Duluth, Minn.
✓ Capps, Harry, A. B.	Jacksonville.
DeSilva, Joseph, Jr., A. B., M. D.	Chicago.
✓ Morton, Edward P., A. B.	~~Mattoon.~~ <i>Bloom</i>
Blackburn, Charles E., B. S.	Jacksonville.
✓ Cohenour, Elmer L., B. S. <i>Fairbury</i>	Algona, Iowa.
Rawlings, Isaac D., B. S., M. D.	Jacksonville.
Sanford, Frederick W., B. S.	Jacksonville.
✓ 9—Skinner, Lucius, D., B. S.	Du Quoin.

1891.

Boston, William E., B. S. <i>MB</i>	Prentice.
✓ Capps, Joseph A., A. B. <i>man. prof. 10</i>	Jacksonville.
Conover, William B., B. S.	Virginia.
✓ Curtiss, Theodore T., A. B.	Waverly.
Hess, Luther C., A. B.	Milton.
✓ Keplinger, Maurice B., B. S.	Franklin.
✓ Lenington, Robert F., A. B.	Jacksonville.

- ✓ Mathews, Benjamin C., B. S.
 ✓ Miller, James W., B. S.
 Pike, Edward S., B. S.
 ✓ Putnam, Edward K., A. B.
 ✓ Stewart, Samuel B., B. S.
 ✓ Stoddard, Bertel M., B. S.
 ✓ Williams, Arthur C., B. S.
 15—Wills, John R., B. S.

Dayton, Wash.
 Jacksonville.
 Chenoa.
 Chicago.
 Jacksonville.
 Minonk.
 Pittsfield.
 Pittsfield.

1892.

- Bartlett, Aurelius W., A. B.
 ✓ Black, Arthur D., B. S.
 ✓ Carter, Herbert H., A. B.
 ✓ Craig, Dickey W., B. S.
 ✓ Epler, Percy H., A. B.
 Gillett, Philip F., A. B.
 ✓ Kirby, Clement R., A. B.
 Lenington, George C., A. C.
 ✓ Loving, Arthur S., B. S.
 10—Robinson, William D., A. B.

St. Louis, Mo.
 Jacksonville.
 Jacksonville.
 Grand Island, Neb.
 New Haven, Conn.
 Jacksonville.
 Jacksonville.
 Brazil.
 Jacksonville.
 Lincoln, Neb.

1893.

- ✓ Beggs, Samuel W., A. B.
 ✓ Martin, Murrey K., A. B.
 ✓ Read, Utten E., A. B.
 4—Stevenson, William H., A. B.

Alexander.
 Jacksonville.
 Jacksonville.
 Jacksonville.

CANDIDATES FOR GRADUATION, 1894.

- ✓ Edward G. Baldwin, A. B.
 ✓ John A. Barber, Ph. B.
 Fred S. Brown, A. B.
 ✓ David W. Frackelton, Ph. B.
 ✓ James W. Putnam, B. S.
 6—Charles F. Wemple, B. S.

Mendon.
 Cantrall.
 Divernon.
 Petersburg.
 Hersman.
 Waverly.

HONORARY ALUMNI.

1835.

*Benjamin Shurtleff, A. M., Brown University, M. D.

Nathaniel Bradstreet Shurtleff, A. M., Harvard and Brown Univ., M. D.

1839.

*Horace Spalding, A. M.

1845.

J. N. Ralston, M. D.

J. B. Samuel, M. D.

Horace Ackley, M. D.

1846.

M. H. L. Schooley, M. D.

1847.

*Gershom Jayne, M. D.

*John Loomis, A. B., Hamilton College, A. M.

1853.

James J. Delamater, M. D., N. Y. New York Med. Col., A. M.

1859.

N. A. Prentice, A. B., Amherst College, A. M.

1864.

Enoch Mellor, A. M., D. D.

John W. Dryden, A. B., St. Paul College, Mo., A. M.

William D. Perrin, A. B., St. Paul College, Mo., A. M.

James M. McMasters, A. B., St. Paul College, Mo., A. M.

Joseph Anderson, A. B., St. Paul College, Mo., A. M.

1866.

William Smythe, Prof. in Bowdoin College, LL. D.

Robert Allen, A. M.

*William Dod, A. M., LL. D.

1867.

Josiah Wood, Prin. Du Quoin Female Seminary, A. M.

*William M. Baker, Prin. Springfield High School, A. M.

John D. Parker, Prof. in Lincoln College, Kan., Ph. D.

1869.

*Andrew McFarland, M. D., LL. D.

1872.

*Samuel L. Whipple, M. D., A. M.

1873.

Horatio Q. Butterfield, D. D., Pres. Olivet College.

Thomas Aiton, M. D.

1877.

*Nehemiah Wright, M. D., A. M.

*Mason Grosvenor, A. M., Yale, D. D.

*Martin K. Whittlesey, A. M., Yale, D. D.

1880.

Alvah C. Clayton, A. M.

William H. Wilcox, A. M.

1881.

Charles M. Fenn, M. D., A. M.

1882.

Frank P. Woodbury, D. D.

Rufus Nutting, A. M. Professor in Blackburn Univ., D. D.

*Rufus C. Crampton, A. M., Prof. in Illinois College, LL. D.

1883.

Charles L. Woodworth, Amherst, D. D.

Theodore T. Munger, Yale, D. D.

Edward F. Williams, D. D.

J. Morris Cross, D. D.

1885.

Clement L. Clapp, A. M.

Thomas C. McMillan, A. M.

1886.

Rev. Alfred N. Gilbert, A. M.

Dr. Alfred C. Colton, A. M.

Clark W. S. D. in 1887

Lieut. Nathan H. Barnes, Ph. D.

1888.

Rev. R. O. Post, D. D.

Rev. S. H. Dana, D. D.

Rev. James Tompkins, D. D.

Rev. G. C. Adams, D. D.

1889.

Major J. W. Powell, LL. D.

1890.

Rev. Theodore P. Pruden, D. D.

Rev. Nathan L. Whittlesey, D. D.

Hon. William M. Springer, LL. D.

MEDICAL GRADUATES.

1845.

*Augustus F. Hand, M. D.

*Daniel Pierson, M. D.

N. M. Hunt, M. D.

*G. Y. Shirley, M. D.

Charles Terrell, M. D.

—5.

1846.

*Peter R. Boice, M. D.

*James Budden, M. D.

Warren H. Chapman, M. D.

*C. C. Emerick, M. D.

N. B. Hooker, M. D.

A. B. Ireland, M. D.

H. K. Jones, M. D.

Henry Owsley, M. D.

J. F. Rice, M. D.

Clark Roberts, M. D.

Jerome B. Tenney, M. D.

Russell B. Tripp, M. D.

Henry Wing, M. D.

—11.

1847.

James M. Buck, M. D.

Frederick R. Gallaher, M. D.

E. P. January, M. D.

John S. King, M. D.

David H. McCord, M. D.

Abraham Miller, M. D.

George M. Scott, M. D.

Mahlon P. Turner, M. D.

*Hamlin Welch, M. D.

James S. Whitmire, M. D.

*J. H. Kibbe, M. D.

—11.

1848.

Peter L. Bostick, M. D.

Isaac V. Goltra, M. D.

Richard Hains, M. D.

Nathaniel Jayne, M. D.

*Henry C. Long, M. D.

James McCord, M. D.

John N. McCord, M. D.

—7.

SUMMARY.

Number of Alumni	505
Number of Medical Graduates	36
Number of Honorary Alumni	52

Whole number upon whom degrees have been conferred . . . 593

ALPHABETICAL LIST OF ALUMNI.

1835—1894.

- | | | |
|--------------------|----------------------|--------------------|
| 60 Adams, F. | 68 Beggs, R. H. | 94 Brown, F. S. |
| 83 Adcock, H. C. | 93 Beggs, S. W. | 89 Brown, G. R. |
| 79 Antle, T. P. | 56 Bergen, A. S. | 64 Brown, J. A. |
| 58 Ardery, H. W. | 62 Bergen, G. S. | 61 Brown, J. W. |
| 35 Atkins, H. F. | 61 Berry, M. | 74 Brown, S. S. |
| 64 Atkinson, W. H. | 83 Birch, F. L. | 81 Brown, W. B. |
| 47 Ayers, A. E. | 54 Bishop, R. H. | 83 Browning, Q. E. |
| 77 Ayers, E. A. | 47 Bishop, W. | 81 Bryan, W. J. |
| 58 Ayers, J. C. | 92 Black, A. D. | 71 Bryson, O. C. |
| 43 Ayers, M. P. | 83 Black, C. E. | 60 Bulkley, R. H. |
| | 90 Blackburn, C. E. | 85 Burrus, G. M. |
| 82 Babb, J. E. | 45 Blatchford, E. W. | 38 Burritt, W. H. |
| 69 Bailey, G. W. | 76 Block, E. D. | 55 Burt, J. S. |
| 43 Baker, E. S. | 53 Blodgett, J. H. | 80 Butler, E. W. |
| 70 Baker, F. M. | 37 Blood, C. E. | |
| 90 Baldwin, A. B. | 85 Bond, S. P. | 59 Callon, W. P. |
| 86 Baldwin, C. O. | 60 Booth, T. | 67 Campbell, E. L. |
| 94 Baldwin, E. G. | 91 Boston, W. E. | 85 Capps, A. T. |
| 46 Baldwin, F. E. | 82 Bowers, W. R. | 87 Capps, E. |
| 60 Ballard, J. A. | 42 Bradley, W. P. | 90 Capps, H. |
| 68 Barber, E. A. | 57 Branson, N. W. | 91 Capps, J. A. |
| 68 Barber, G. C. | 65 Brenholt, J. J. | 57 Capps, S. R. |
| 94 Barber, J. A. | 59 Bristow, E. H. | 62 Capps, W. E. |
| 92 Bartlett, A. W. | 66 Bristow, F. L. | 38 Carlin, W. H. |
| 36 Barton, C. B. | 70 Brown, A. C. | 85 Carriel, H. B. |
| 43 Bateman, N. | 84 Brown, B. | 92 Carter, H. H. |
| 56 Bates, R. | 67 Brown, B. W. | 66 Carter, J. N. |
| 89 Beadles, W. S. | 71 Brown, C. G. | 85 Carter, T. P. |
| 43 Beecher, T. K. | 60 Brown, C. S. | 45 Carter, W. C. |
| 81 Beekman, W. H. | 55 Brown, D. J. | 80 Carter, W. W. |
| 85 Beggs, J. T. | 74 Brown, F. A. | 61 Cassell, H. O. |

- | | | |
|------------------------|-----------------------|------------------------|
| 66 Cassell, M. H. | 74 Day, H. P. | 58 Epler, J. M. |
| 88 Catlin, D. C. | 59 Dayton, E. | 61 Epler, M. L. |
| 45 Catlin, W. E. | 79 Dennis, T. F. | 92 Epler, P. H. |
| 52 Chambers, R. | 54 Denny, A. N. | 58 Epler, W. F. |
| 39 Chandler, J. | 90 DeSilva, J. | 42 Estabrook, A. W. |
| 41 Chapman, J. H. | 64 Dickenson, F. W. | 59 Estabrook, H. N. |
| 80 Cherryholmes, J. C. | 84 Dikis, H. F. | 81 Eveland, S. |
| 75 Clapp, E. B. | 36 Dixon, A. M. | |
| 80 Clapp, E. L. | 52 Dixon, J. J. A. T. | 42 Fagg, T. J. C. |
| 83 Clark, E. E. | 76 Dodsworth, W. T. | 57 Fairbank, J. B. |
| 47 Clark, J. G. | 49 Doane, E. J. | 42 Fairbank, S. B. |
| 88 Cochrane, R. L. | 81 Donahue, J. | 86 Fallis, M. S. |
| 41 Coffin, W. | 71 Doocey, E. | 68 Fayerweather, W. F. |
| 90 Cohenour, E. L. | 65 Douglas, T. O. | 58 Ferguson, W. C. |
| 80 Collier, J. | 79 Downing, J. F. | 89 Filson, W. N. |
| 45 Collins, H. T. | 79 Downing, J. M. | 55 Finley, W. H. |
| 50 Collins, W. H. | 58 Draper, D. M. | 53 Fisk, E. C. |
| 58 Comer, S. C. | 81 Drennan, J. P. | 81 Fisher, W. E. |
| 82 Cones, W. | 89 Drury, F. E. | 60 Foster, W. H. |
| 78 Connell, C. H. | 76 Dummer, C. H. | 94 Frackelton, D. W. |
| 76 Connell, J. B. | 87 Dunnavan, L. W. | 88 Frackelton, R. J. |
| 91 Conover, W. B. | 84 Dunaway, A. G. | 61 Fry, J. D. |
| 87 Coultas, R. J. | 51 Dunham, C. | |
| 89 Craig, A. M. | 41 Dunham, L. | 86 Galbraith, R. D. |
| 48 Craig, D. | 67 Dunn, E. | 62 Gallaher, W. G. |
| 92 Craig, D. W. | | 84 Gardner, W. |
| 61 Craig, J. W. | 59 Eaman, J. M. | 62 Garlick, J. P. |
| 81 Crampton, E. H. | 60 Edgar, W. H. | 59 Gaty, S. T. |
| 48 Crawford, L. P. | 77 Elliott, H. | 56 Geyer, E. T. |
| 49 Crawford, P. W. | 72 Ellison, A. J. | 57 Gibbs, W. H. |
| 80 Croker, G. L. | 49 Engelbach H. | 47 Giddings, F. S. |
| 88 Cross, A. M. | 61 English, G. A. | 59 Gill, W. |
| 79 Curtiss, F. E. | 57 English, G. H. | 92 Gillett, P. F. |
| 39 Curtiss, G. C. | 48 English, J. W. | 51 Gladney, C. |
| 91 Curtiss, T. T. | 51 English, J. W. | 80 Goodin, H. E. |
| 38 Curtiss, W. S. | 60 English, W. L. | 54 Gore, J. |
| 64 Cutler, W. A. | 56 Eno, F. V. | 39 Goudy, C. |
| | 59 Eno, E. B. | 39 Goudy, R. |
| 85 Dalbey, J. M. | 47 Epler, C. | 45 Goudy, W. C. |
| 85 Davenport, I. W. | 76 Epler, C. E. | 67 Govert, W. H. |
| 88 Day, A. E. | 80 Epler, E. G. | 39 Graves, J. S. |

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|----------------------|----------------------|----------------------|
| 80 Green, E. N. | 45 Jones, E. S. | 45 Lyons, H. M. |
| 66 Green, O. S. | 67 Jones, F. A. | |
| 70 Grimes, J. M. | 44 Jones, H. K. | 54 Marsh, H. L. |
| 76 Grout, J. M. | 40 Jones, W. | 93 Martin, M. K. |
| | 59 Jones, W. W. | 67 Mason, E. A. |
| 83 Hackman, A. N. | | 66 Masters, J. D. |
| 61 Halbert, R. A. | 80 Kaime, E. F. | 64 Masters, W. T. |
| 38 Hall, E. E. | 88 Kehoe, J. E. | 55 Mathews, A. C. |
| 87 Hall, J. R. | 72 Kellogg, F. E. | 91 Mathews, B. C. |
| 60 Hamilton, E. B. | 73 Kellogg, F. L. | 68 McCann, F. M. |
| 65 Hamilton, E. B. | 76 Kellogg, W. R. | 69 McClintock, J. H. |
| 61 Hamilton, S. S. | 82 Keeney, J. F. | 64 McClung, J. S. |
| 58 Hanback, J. E. | 39 Kendall, R. S. | 59 McConnel, E. |
| 84 Hand, W. H. | 40 Kenworthy, T. C. | 56 McCord, R. L. |
| 54 Happy, W. W. | 61 Keplinger, H. G. | 58 McCowan, J. |
| 88 Harker, J. R. | 91 Keplinger, M. B. | 71 McDonald, E. L. |
| 46 Harlan, G. W. | 57 Kerr, C. D. | 71 McDonald, F. A. |
| 49 Harrington, A. L. | 54 Keyes, C. A. | 73 McDonald, F. I. |
| 44 Henry, J. H. | 65 King, D. | 88 McElfresh, W. E. |
| 82 Hess, J. D. | 65 King, J. R. | 83 McKinnell, F. |
| 91 Hess, L. C. | 70 King, W. M. | 81 McKinney, S. J. |
| 40 Hicks, M. | 81 Kinnett, O. F. | 57 McLaughlin, J. |
| 38 Hitchcock, A. B. | 92 Kirby, C. R. | 84 McLaughlin, W. K. |
| 62 Hitchcock, N. S. | 54 Kirby, E. P. | 83 McVey, W. E. |
| 79 Hockenhull, R. M. | 52 Knox, W. | 38 Mears, R. |
| 83 Holmes, E. D. | | 68 Meek, J. A. |
| 67 Holmes, J. M. | 55 Lacey, L. | 53 Merrill, S. A. |
| 40 Holmes, W. | 84 Lacey, L. | 88 Merrill, G. L. |
| 44 Howell, J. S. | 61 Lansden, J. M. | 43 Merritt, W. C. |
| 81 Hulett, G. A. | 54 Laurie, I. | 65 Metcalf, H. B. |
| 85 Humphrey, W. D. | 38 Laurie, T. | 68 Miller, G. W. |
| | 92 Lenington, G. C. | 58 Miller, J. W. |
| 47 Ireland, H. P. | 91 Lenington, R. F. | 91 Miller, J. W. |
| 45 Ireland, W. | 45 Lewis, B. | 73 Montgomery, A. S. |
| 84 Irving, E. P. | 86 Lewis, W. N. | 68 Moore, E. |
| 86 Irving, F. M. | 48 Lippincott, C. E. | 58 Moore, J. A. |
| | 72 Lippincott, J. P. | 56 Moore, G. W. |
| 47 Jayne, W. | 61 Littell, S. B. | 81 Morris, J. B. |
| 73 Johnson, W. M. | 92 Loving, A. S. | 56 Morris, J. C. |
| 79 Johnston, H. W. | 42 Lowe, J. D. | 78 Morrison, C. R. |
| 54 Jones, C. G. | 42 Lyman, A. S. | 67 Morrison, J. G. |

- | | | |
|---------------------|----------------------|------------------------|
| 71 Morrison, T. A. | 74 Prince, A. E. | 82 Schermerhorn, C. B. |
| 70 Morrison, T. N. | 52 Prince, E. | 37 Scofield, E. |
| 77 Morrison, W. A. | 91 Putnam, E. K. | 53 Selby, P. |
| 76 Morrison, W. W. | 94 Putnam, J. W. | 56 Sewall, W. W. |
| 78 Morse, C. L. | 40 Pyle, G. | 57 Shaw, J. |
| 36 Morse, J. K. | | 46 Shaw, J. B. |
| 90 Morton, E. P. | 79 Rannels, C. S. | 80 Shaw, W. B. |
| 43 Morton, J. T. | 90 Rawlings, I. D. | 72 Simms, J. R. |
| 80 Moseley, T. F. | 88 Read, F. | 80 Simons, H. C. |
| 56 Moulton, J. T. | 93 Read, U. E. | 39 Simpson, C. D. |
| 79 Moulton, H. A. | 59 Reed, A. | 90 Skinner, L. D. |
| 68 Munroe, J. E. | 59 Reed, L. | 83 Slater, W. H. |
| 82 Munroe, W. | 67 Reynolds, T. | 82 Small, A. W. |
| | 74 Rice, A. C. | 60 Smith, D. B. |
| 54 Nash, D. B. | 85 Rice, J. C. | 86 Smith, E. B. |
| 38 Nelson, D. D. | 79 Rice, W. P. | 78 Smith, F. E. |
| 40 Nelson, H. A. | 75 Rice, W. S. | 60 Smith, J. A. |
| 62 Newman, J. B. | 88 Richardson, T. D. | 56 Smith, J. D. |
| 86 Nesbit, T. W. | 86 Rider, A. W. | 89 Smith, J. D. |
| 55 Noyes, G. C. | 59 Roberts, G. L. | 56 Smith, J. P. |
| 79 Nusbaum, C. | 54 Roberts, J. G. | 52 Smith, T. W. |
| 56 Nutting, W. J. | 69 Robertson, J. T. | 87 Smith, T. W. |
| | 92 Robinson, W. D. | 69 Spears, J. H. |
| 62 Oliver, W. C. | 85 Rockwell, G. D. | 41 Spencer, J. |
| | 74 Root, C. A. | 35 Spilman, J. E. |
| 78 Palmer, E. B. | 73 Ross, G. C. | 43 Starr, W. H. |
| 64 Parker, M. V. | 58 Rouse, G. W. | 84 Stevens, A. L. |
| 37 Patterson, R. W. | 89 Rowe, C. A. | 70 Stevens, J. S. |
| 68 Paxon, A. A. | 50 Ruggles, E. | 84 Stevenson, F. M. |
| 40 Pearson, R. M. | 51 Ruggles, S. | 93 Stevenson, W. H. |
| 38 Perry, R. | 88 Russel, J. G. | 81 Stewart, F. W. |
| 58 Philbrick, C. H. | 81 Rurledge, C. G. | 73 Stewart, H. C. |
| 44 Phillips, P. L. | 75 Rutledge, J. O. | 36 Stewart, J. P. |
| 48 Pierson, G. | 71 Russell, R. D. | 91 Stewart, S. B. |
| 91 Pike, E. S. | | 72 Stout, J. V. |
| 62 Pitner, T. J. | 89 Sanders, C. E. | 61 Strawn, J. E. |
| 72 Pomeroy, S. F. | 79 Sanders, C. S. | 86 Strawn, F. L. |
| 39 Porter, J. N. | 79 Sanders, J. K. | 48 Strawn, W. |
| 61 Post, H. M. | 73 Sanders, W. B. | 43 Strode, E. |
| 57 Potts, W. H. | 90 Sanford, F. W. | 54 Strong, J. D. |
| 84 Price, G. W. | 61 Saunderson, M. | 52 Stryker, H. |

70 Sturtevant, A. H.	57 Turner, R. K.	42 Whitney, J. D.
54 Sturtevant, J. M.	60 Turner, W. H.	47 Wilkinson, R.
56 Sturtevant, J. W.		43 Willard, S.
53 Sydnor, A. W.	—55 Van Eaton, F. H.	91 Williams, A. C.
57 Symonds, E. K.	—48 Van Eaton, H. S.	68 Williams, G. W.
	51 Vanstavoren, A.	49 Williams, J. H.
88 Tanner, A. A.		91 Wills, J. R.
57 Tanner, E. A.	—78 Wadsworth, H. E.	—88 Wilson, G. H.
66 Taylor, F. A.	—81 Wadsworth, J. D.	87 Wilson, H. M.
43 Thayer, C. F.	—80 Wait, G. G.	45 Winchell, R.
49 Thayer, G. H.	—63 Wakeley, T. A.	—75 Wing, E.
—80 Thome, A. G.	—89 Walker, J. A.	—71 Wing, E. D.
62 Thompson, D. W.	86 Wall, W. G.	—44 Wing, H.
44 Tillson, C. H.	73 Ward, J. R.	—80 Wing, H. B.
59 Tindall, D. W.	45 Ward, T.	73 Winterbottom, J.
—77 Todd, D. E.	80 Ware, J. E.	59 Wolcott, R.
89 Triplett, N.	88 Watkins, G. B.	62 Wood, G. G.
52 Tunnell, R. M.	—83 Welles, C. H.	58 Wood, J. H.
65 Turner, C. A.	40 Wells, S.	82 Wood, W. D.
40 Turner, E. B.	94 Wemple, C. F.	89 Woods, R.
—76 Turner, F. C.	61 Whipple, N. L.	
60 Turner, J. B.	69 White, R.	35 Yates, R.
70 Turner, H. A.	87 Whitley, R. H. K.	80 Yates, R.

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TRUSTEES.

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HON. ROBERT D. RUSSELL, A. M.,	Minneapolis, Minn.
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THOMAS J. PITNER, M. D.,	Jacksonville.
WILLIAM D. MARSH, ESQ.,	Chicago.
CHARLES H. MORSE, ESQ.,	Chicago.
EDWARD W. GILLETT, ESQ.,	Chicago.
ENSLEY MOORE, B. S.,	Jacksonville.
HENRY F. CARRIEL, M. D.,	Jacksonville.
REV. JOHN B. FAIRBANK, A. M.,	Waverly.

HON. EDWARD P. KIRBY, LL. D., *Sec'y and Treasurer.*
 (232½ W. State St.) 3 Duncan Pl.

ENSLEY MOORE, B. S., *Custodian of College Mementos.*
 856 W. State St.

FACULTY AND OFFICERS.

JOHN E. BRADLEY, LL. D. 1202 W. College Ave.

President and Professor of Mental and Moral Science.

A. B., Williams College, 1865; A. M., 1868; Ph. D., University of New York, 1879; LL. D., Williams College, 1893; Principal High School, Pittsfield, Mass., 1865-68, Principal High School, Albany, N. Y., 1868-86; Commissioner State of New York to Paris Exposition 1878; Superintendent of City Schools, Minneapolis, 1886-92; Member of National Council of Education from 1889; President of Illinois College from 1892.

HIRAM K. JONES, LL. D. 505 W. College Ave.

Professor of Philosophy.

A. B., Illinois College, 1844; A. M., 1847; M. D., 1846; LL. D., 1878; Founder Concord School of Philosophy, 1879; Lecturer on Greek Philosophy in same, 1879-89; President American Akademie, 1878; Professor of Philosophy in Illinois College from 1886.

HARVEY W. MILLIGAN, A. M., M. D. 149 Caldwell St.

Professor of History and English Literature and Instructor in Economics.

A. B., Williams College, 1853; A. M., 1856; M. D., University of Pennsylvania, 1862; Instructor Pennsylvania Institution for Deaf Mutes, 1856-65; Principal of same in Wisconsin, 1865-79; Instructor in same in Illinois, 1879-82; Professor of History and English Literature in Illinois College from 1882.

HAROLD W. JOHNSTON, PH. D. 229 Lockwood Pl.

Professor of Latin.

A. B., Illinois College, 1879; A. M., 1882; Ph. D., 1891; Principal of Whipple Academy, 1880-84; Instructor in Latin (in charge of department), Illinois College, 1882-86; Professor of Latin, 1886-95.

JAMES B. SHAW, D. SC. 1011 W. College Ave.

Hitchcock Professor of Mathematics and Astronomy.

B. S., Purdue University, 1889; M. S., 1890; D. Sc., 1893; Member of American Mathematical Society, and American Association for the Advancement of Science; Professor of Mathematics, Central University, Iowa, 1890; Instructor in Mathematics and Physics, Illinois College, 1890-91; Professor of Mathematics and Astronomy from 1891.

MILTON E. CHURCHILL, A. M., B. D. 315 Lockwood Pl.

Collins Professor of Greek, and Instructor in Modern Languages.

A. B., Knox College, 1877; A. M., 1880; B. D., Yale University, 1883; Instructor in Latin and Greek. Knox College, 1878-80, and 1885-87; Principal Emerson Institute, Mobile, 1883-85; Professor of Latin, Blackburn University, 1887-91; Studied in Germany, 1891; Professor of Greek in Illinois College from 1891.

JACOB A. ZELLER, A. M. 327 Lockwood Pl.

Professor of Pedagogy, and Principal of Whipple Academy.

A. B., Miami University, 1856; A. M., 1860; B. L., Cincinnati Law School, 1860; Principal High School, Evansville, Ind., 1870-81; Superintendent of Schools, Richmond, Ind., 1881-84; Principal High School, Lafayette, Ind., 1885-94; Professor of Pedagogy in Illinois College from 1894.

JOHN M. CLAPP, A. M. 1011 W. College Ave.

Professor of English and Oratory.

A. B., Amherst College, 1890; A. M., 1893; Instructor in Elocution and Rhetoric in Illinois College, 1890-94; Professor of English and Oratory from 1894.

TRUMAN P. CARTER A. M. 872 Grove St.

Hitchcock Professor of Natural Sciences.

A. B., Illinois College, 1885; A. M., 1888; B. S., University of Illinois, 1888; Studied at Cornell University 1889-90; Instructor in Science in Illinois College, 1891-94; Professor of Natural Sciences from 1894.

FRANK PARSONS NORBURY, M. D. 605 Jordan St.

Lecturer on Psycho-Physics.

M. D., Long Island College Hospital, 1888; Resident Physician Pennsylvania Institution for Feeble Minded Children, 1888; Assistant Physician Illinois Central Hospital for the Insane, 1888-93; Lecturer on Nervous and Mental Diseases, Keokuk Medical College, 1893; Professor of Nervous and Mental Diseases, St. Louis College of Physicians and Surgeons from 1894; Lecturer on Cranio-Cerebral Anatomy and Surgery in Woman's Medical College, St. Louis, 1894; Associate Editor of the Medical Fortnightly of St. Louis; Lecturer on Psycho-Physics in Illinois College from 1894.

JAMES W. PUTNAM, B. S. Room 7, C. H.

Assistant in Preparatory Department.

A. B., Illinois College, 1894.

EDWIN G. BALDWIN, A. B. Room 18, C. H.

Assistant in Preparatory Department.

A. B., Illinois College, 1894.

TRUMAN P. CARTER, A. M.

Professor of Physical Training.

WM. KIRBY McLAUGHLIN, A. M., M. D. 121 W. Coll. Ave.

Physical Examiner.

A. B., Illinois College, 1884; A. M., 1887; M. D., Northwestern University Medical College, 1890; Physical Examiner in Illinois College from 1893.

JAMES W. PUTNAM, B. S.

Director of Gymnasium.

PROFESSOR H. W. MILLIGAN, *Librarian*.

PROFESSOR H. W. JOHNSTON, *Secretary of the Faculty*.

PROFESSOR J. B. SHAW, JR., *Bursar*.

ILLINOIS COLLEGE.

General Information.

HISTORY AND PURPOSE.

The establishment of Illinois College is intimately related to the first settlement of the state. No chapter in American history is more inspiring than that which records the scenes and incidents connected with the formation of the famous Yale Band of 1829. Settlements in the upper Mississippi valley were then small and widely scattered. But the young men composing this Band, then students of Yale College, looked forward to the development of the great west, and calmly planned for a national destiny of which few had then conceived. They resolved that the millions so soon to people the prairies and the forests of this vast expanse should find that the institutions of education and Christianity had preceded them. They resolved to lead in this work by devoting themselves to it.

In the autumn of 1827, Theron Baldwin, then a student in Yale College, read a fervid essay in the Yale Society of Inquiry on the Call of the West. His young associates were deeply stirred by his appeal, and on their homeward walk they paused beneath the elms and, under the solemn majesty of that starlight night, they devoted themselves to the work which the essay had proposed. A compact was prepared and signed, in which these young men pledged

themselves to the work of education and Christianity in the then wild and distant state of Illinois. The signers of this compact were Mason Grosvenor, Theron Baldwin, Julian M. Sturtevant, William Kirby, Asa Turner, John F. Brooks and Elisha Jenney. Under the pledges of this compact, these young men immediately began to make plans for the founding of a Christian college.

Meantime, pioneers in the settlement of the state had begun to realize the great opportunity which was presented and they, too, resolved that this fruitful land should be pre-empted for freedom and learning and righteousness—rescued from slavery and the thriftlessness and disorder which threatened. A movement was inaugurated, under the lead of Rev. John M. Ellis, a home missionary, for the establishment of a Christian school, to which Gov. Joseph Duncan and Judge Samuel D. Lockwood gave hearty support. Through the agency of the American Home Missionary Society these two movements were brought together and many new friends gained to the enterprise, east and west.

In December, 1829, the school was opened in what is now the south wing of Beecher Hall, with Julian M. Sturtevant as the sole teacher. For fifty-six years he was connected with the institution as teacher, professor or president. The first class was graduated in 1835, and consisted of Richard Yates, afterwards the great War Governor of Illinois, and Jonathan Spilman. In 1831 Rev. Edward Beecher resigned the pastorate of Park Street Church, Boston, to accept the presidency of the growing institution. Few colleges have graduated so many distinguished alumni.

Illinois College was the most potent factor in determining the early history of the state. The wide publicity given to its establishment by the American Home Missionary Society and other agencies induced tens of thousands of the most desirable settlers to emigrate from their eastern

homes to the fertile prairies of Illinois. Enterprise and capital followed the Christian College. The founders of the college were, in fact, the authors of the whole educational system of the state, and during the early years of its history one or two of its professors were constantly traveling throughout the state, stimulating the establishment of voluntary schools and forming public sentiment in favor of a system of public education. Throughout its history it has steadfastly adhered to its original purpose to promote the interests of education and Christianity throughout the region of which it is the intellectual center.

Illinois College then is the oldest college in the state. It represents the best educational standards and traditions of the parent institution, Yale College. In the quality of its work it ranks with the best institutions in the country. Students pass, without conditions, from its classes to the same rank in the largest colleges at the east.

With the wisdom of age is combined the vigor of youth. The institution reverently adheres to whatever is best in the old and fearlessly adopts that which is good in the new education. It deems that training best which yields strong and self-reliant manhood. It educates for power, and adopts those methods of work which seem best calculated to produce clearness of intellect, vigor of expression, refinement of taste and Christian character.

The College seeks to provide wholesome conditions of growth. Its discipline is broad, but just and efficient. Within proper limits the greatest freedom and independence on the part of the student is encouraged as part of a well rounded education; beyond these limits, conformity to the regulations of the College is expected and enforced. A symmetrical education is believed to include the physical, intellectual, moral and religious development of each student, and careful provision is made for each of these departments of training.

ORGANIZATION AND WORK.

By the charter of Illinois College the general government and administration of the Institution are vested in its Board of Trustees. The immediate direction of its work is vested in the Faculty; who are empowered to determine the requirements for admission to the College, the standard of attainment in the several classes, the subjects and methods of study and to make such rules, subject to the judgment of the Trustees, as may be deemed best for the guidance of the institution and the advancement of its work.

It is the aim of Illinois College to extend to young men the benefits of a liberal education of a most advanced standard. It encourages broad and thorough study and offers every incentive to faithful work and high attainment. Its courses of instruction are arranged to give best possible preparation alike for professional study and for active life. It seeks to meet the increasing demand for men of disciplined intellect, trained power and upright character in business enterprises. It trains its graduates for engineering, journalism and teaching; and while it thus affords special lines of study and investigation to meet the aims and necessities of different classes of students, it affords to all opportunities for that broad culture which should be the possession of every intelligent man. Improved methods of instruction make attainments easy at the present day which were beyond the reach of any but post-graduate students a few years ago. The instructors are specialists in their various departments and the class-rooms and laboratories are supplied with the best appliances and apparatus for illustration and experiment. The wide range of elective studies enables students to carry their work in

any chosen department to a high degree of advancement and practical results.

Whipple Academy, the Preparatory Department of Illinois College, is a secondary school of high grade. In addition to fitting its graduates for admission to Illinois College or to any college or university in the country, it affords special advantages for the pursuit of English and business courses of study and for young teachers who wish to qualify themselves for higher grades of work. Its instruction is nearly all given by the regular college professors and its students have the benefit of the college library, laboratories and apparatus. In these and many other particulars it stands pre-eminent among schools of its class. The association of its students with college students and college work tends to promote ambition and manliness. Physical exercise is required and care is taken for the formation of moral character.

LOCATION AND BUILDINGS.

Jacksonville has long been famed for its culture and literary atmosphere. Three of the state charitable institutions are located here and a number of prosperous schools and seminaries, and these, with the College, have led many cultivated families to take up their residence in Jacksonville. Its streets are well paved, lighted by electricity and gas, and everywhere lined with arching rows of elms. It is conveniently situated at the intersection of the Chicago & Alton, the Wabash, the Chicago, Peoria & St. Louis, and the Jacksonville, Louisville, & St. Louis railroads. Its healthful climate and freedom from temptation render it a most favorable location for a Christian college.

The College campus is a magnificent park of some twenty acres, crowning a slight elevation, and set with large elms and other trees.

The College buildings are commodious and well equipped. They are *Sturtevant Hall*, in which are the chapel, the Y. M. C. A. room, lecture and recitation rooms; *Crampton Hall*, a large dormitory building; *Beecher Hall* containing the Library and several society and lecture rooms; *Whipple Hall*, containing recitation rooms, and a large study hall for the preparatory department; the *College Hall*, devoted to the use of the boarding department, and *Gymnasium*. These buildings are all well adapted to their uses, are heated by steam and lighted by gas.

COURSES OF INSTRUCTION.

The courses of instruction form a system of required and elective study. The studies of the Freshman Year are required. In the Sophomore Year the required studies occupy five hours each week; in the Junior Year six hours, and in Senior Year five hours, leaving ten hours of elective work in each of these classes.

The required studies of the Freshman Year are selected for their disciplinary value, in order that students may the more profitably pursue, in subsequent years, whatever they may select.

The required studies of the Sophomore, Junior, and Senior Years are restricted to English, History, and Philosophy, the pursuit of which is deemed necessary for all students who are to be recommended for a collegiate degree.

The elective studies offer the student a large number of subjects, and are so placed in the curriculum that freedom of choice is allowed within the necessary limitations of the schedule of recitations.

REQUIREMENTS FOR ADMISSION.

Four different courses of study are pursued in this College: The Classical Course, the Philosophical Course, the Scientific Course and the Agricultural Course.

Candidates for admission to these courses are examined in the following subjects:

FOR ALL COURSES.

ENGLISH—1. GRAMMAR finished. COMPOSITION. Equivalent to Newcomer's Composition. RHETORIC. Equivalent to Genung's Outlines of Rhetoric to Chapter V. LITERATURE. Equivalent to Syle's From Milton to Tennyson, any thirty selections. In addition the candidate must write a short essay on a subject announced at the examination and connected with the selections prescribed for study. 2. GEOGRAPHY. 3. HISTORY AND CONSTITUTION OF THE UNITED STATES. 4. HISTORY OF THE EASTERN NATIONS, GREECE AND ROME. 5. ELEMENTARY BOTANY, as specified under requirements for the Scientific Course.

MATHEMATICS—ARITHMETIC, including square and cube roots, and the metric system. ADVANCED ALGEBRA. Equivalent to Jones' Drill-book, through quadratic equations. GEOMETRY, plane, five books.

In addition to these subjects, candidates for admission to the several courses are examined in special subjects, as follows:

FOR THE CLASSICAL COURSE.

LATIN—GRAMMAR, including Prosody (Allen and Greenough). CÆSAR, four books; CICERO, eight orations (i. e. three times the amount of text in the four against Catiline); VERGIL, four thousand lines. COMPOSITION, (Riggs or Daniell.) ROMAN ANTIQUITIES, Tighe, Wilkins.

GREEK—GRAMMAR, including Prosody (Goodwin or Allen-Hadley). XENOPHON'S ANABASIS, four books; or the first 111 pages of Goodwin's Greek Reader. HOMER'S ILIAD, three books. COMPOSITION (Jones entire). CLASSICAL GEOGRAPHY.

FOR THE PHILOSOPHICAL COURSE.

LATIN—GRAMMAR, including Prosody (Allen and Greenough). CÆSAR, four books; CICERO, eight orations (i. e. three times the amount of text in the four against Catiline); VERGIL, four thousand lines. COMPOSITION (Riggs or Daniell). ROMAN ANTIQUITIES, Tighe, Wilkins.

NATURAL SCIENCE—ELEMENTARY ZOOLOGY, PHYSIOLOGY and PHYSICS.

GERMAN—The reading at sight of easy German prose.

FOR THE SCIENTIFIC AND AGRICULTURAL COURSES.

NATURAL SCIENCE—BOTANY. Equivalent to Gray's School and Field Book, with a herbarium of at least fifty mounted and classified plants, and the pupil's note-book. **ZOOLOGY.** Equivalent to Colton's Practical Zoology and Packard's Brief Course, with the pupil's note-book in dissection. **PHYSICS.** Equivalent to Gage's elements, and note-book showing at least sixty experiments by the pupil. **PHYSIOLOGY.** Equivalent to Walker's.

LANGUAGE—One year of Latin or German, or satisfactory equivalents.

Real equivalents will always be accepted, and candidates for admission are invited to correspond in advance of the examinations with the Professors in whose departments are found the subjects for which they desire to offer substitutes.

The examinations for admission to College will occur on Tuesday and Wednesday, September 10th and 11th, 1895, and will be arranged as follows:

Tuesday, 9 A. M. English Branches.

Tuesday, 2 P. M. Natural Sciences.

Wednesday, 9 A. M. Latin and German.

Wednesday, 2 P. M. Greek and Mathematics.

Persons intending to take these examinations are reminded of the necessity of carefully observing the above programme. They are also urged to make special preparation in order to insure success, as a general knowledge of the subjects indicated will not be sufficient.

Attention is called to the Scholarship Prizes for best entrance examinations, which are described hereafter under the head of Prizes.

Testimonials of good moral character may be required whenever the Faculty think it necessary. Students from other colleges are always required to produce certificates of honorable dismissal.

**Courses of Instruction Arranged According
to the Collegiate Years:**

FRESHMAN YEAR

CLASSICAL COURSE.

FALL TERM.

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|------------------------|---|----------|
| 1. <i>Greek.</i> | Course 1. | 4 hours. |
| | Course 2. | 1 hour. |
| 2. <i>Latin.</i> | Cato Maior and Laelius. Latin Com-
position. | 5 hours. |
| 3. <i>Mathematics.</i> | Courses 1 a, 1 b. | 3 hours. |
| 4. <i>English.</i> | Course 1. | 2 hours. |
| 5. <i>Elocution.</i> | | 1 hour. |
| 6. <i>Bible.</i> | (Optional.) | 1 hour. |

WINTER TERM.

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|------------------------|--------------------------|----------|
| 1. <i>Greek.</i> | Course 3. | 4 hours. |
| | Course 4. | 1 hour. |
| 2. <i>Latin.</i> | Livy. Latin Composition. | 5 hours. |
| 3. <i>Mathematics.</i> | Courses 1 b, 2. | 3 hours. |
| 4. <i>English.</i> | Course 1. | 2 hours. |
| 5. <i>Elocution.</i> | | 1 hour. |
| 6. <i>Bible.</i> | (Optional.) | 1 hour. |
| 7. <i>Pedagogy.</i> | (Optional.) | 1 hour. |

SPRING TERM.

- | | | |
|------------------------|---|----------|
| 1. <i>Greek.</i> | Course 5. | 3 hours. |
| | Course 6. | 2 hours. |
| 2. <i>Latin.</i> | The Odes of Horace. Latin Compo-
sition. | 5 hours. |
| 3. <i>English.</i> | Course 1. | 2 hours. |
| 4. <i>Pedagogy.</i> | (Optional.) | 1 hour. |
| 5. <i>Mathematics.</i> | Course 2. | 3 hours. |

PHILOSOPHICAL COURSE.

FALL TERM.

- | | |
|---|----------|
| 1. <i>Latin.</i> Cato Maior and Laelius. Latin Com- | |
| position. | 5 hours. |
| 2. <i>German.</i> Course 2, Modern Prose. | 5 hours. |
| 3. <i>Mathematics.</i> Courses 1 a, 1 b. | 3 hours. |
| 4. <i>English.</i> Course 1. | 2 hours. |
| 5. <i>Elocution.</i> | 1 hour. |
| 6. <i>Bible.</i> (Optional.) | 1 hour. |

WINTER TERM.

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|---|----------|
| 1. <i>Latin.</i> Livy. Latin Composition. | 5 hours. |
| 2. <i>German.</i> Course 3, Comedy. | 5 hours. |
| 3. <i>Mathematics.</i> Courses 1 b, 2. | 3 hours. |
| 4. <i>English.</i> Course 1. | 2 hours. |
| 5. <i>Elocution.</i> | 1 hour. |
| 6. <i>Bible.</i> (Optional.) | 1 hour. |
| 7. <i>Pedagogy.</i> (Optional.) | 1 hour. |

SPRING TERM.

- | | |
|---|----------|
| 1. <i>Latin.</i> The Odes of Horace. Latin Compo- | |
| sition. | 5 hours. |
| 2. <i>German.</i> Course 4, Schiller. | 5 hours. |
| 3. <i>English.</i> Course 1. | 2 hours. |
| 4. <i>Pedagogy.</i> (Optional.) | 1 hour. |
| 5. <i>Mathematics.</i> Course 2. | 3 hours. |

SCIENTIFIC AND AGRICULTURAL COURSES.

FALL TERM.

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|---|----------|
| 1. <i>Mathematics.</i> Courses 1 a, 1 b. | 3 hours. |
| 2. <i>Biology.</i> | 5 hours. |
| 3. <i>Chemistry.</i> General and Theoretical. | 2 hours. |
| 4. <i>English.</i> Course 1. | 2 hours. |
| 5. <i>Elocution.</i> | 1 hour. |
| 6. <i>Bible.</i> (Optional.) | 1 hour. |

WINTER TERM.

1. <i>Mathematics.</i> Courses 1 b, 2.	3 hours.
2. <i>Biology.</i>	5 hours.
3. <i>Chemistry.</i> General and Theoretical.	5 hours.
4. <i>English.</i> Course 1.	2 hours.
5. <i>Elocution.</i>	1 hour.
6. <i>Bible.</i> (Optional.)	1 hour.
7. <i>Pedagogy.</i> (Optional.)	1 hour.

SPRING TERM.

1. <i>English.</i> Course 1.	2 hours.
2. <i>Biology.</i>	5 hours.
3. <i>Chemistry.</i> Quantitative Analysis.	5 hours.
4. <i>Pedagogy.</i> (Optional.)	1 hour.
5. <i>Mathematics.</i> Course 2.	3 hours.

SOPHOMORE YEAR.

ALL COURSES.

FALL TERM.

Required,

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|---------------------|-----------|----------|
| 1. <i>Rhetoric.</i> | Course 3. | 3 hours. |
| 2. <i>History.</i> | Course 1. | 2 hours. |

Elective. Student to take 10 hours.

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|-------------------------|---|----------|
| 1. <i>Greek.</i> | Course 7, Demosthenes. | 2 hours. |
| 2. <i>Latin.</i> | Course 1, Comedy. | 3 hours. |
| 3. <i>Mathematics.</i> | Courses 3, 4. | 5 hours. |
| 4. <i>German.</i> | Course 5, Lessing. | 2 hours. |
| | Course 1. | 3 hours. |
| 5. <i>French.</i> | Course 1. | 3 hours. |
| 6. <i>Zoology.</i> | Course 1, General Morphology of
Animals. | 5 hours. |
| 7. <i>Geology.</i> | Course 2. | 5 hours. |
| 8. <i>Physiography.</i> | Course 1. | 1 hour. |
| 9. <i>Chemistry.</i> | Quantitative Analysis. | 5 hours. |
| 10. <i>Bible.</i> | (Optional.) | 1 hour. |
| 11. <i>Botany.</i> | Course 1, General Morphology of
Plants. | 5 hours. |
| 12. <i>English.</i> | Course 6. | 2 hours. |

WINTER TERM.

Required.

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|---------------------|-----------|----------|
| 1. <i>Rhetoric.</i> | Course 3. | 3 hours. |
| 2. <i>History.</i> | Course 1. | 2 hours. |

Elective. Student to take 10 hours.

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|------------------|--------------------|----------|
| 1. <i>Greek.</i> | Course 8, Tragedy. | 2 hours. |
| 2. <i>Latin.</i> | Courses 1, 2. | 3 hours. |

3. <i>Mathematics.</i>	Courses 3, 5.	8 hours.
4. <i>German.</i>	Course 6 or 7.	2 hours.
	Course 1.	3 hours.
5. <i>French.</i>	Course 2.	3 hours.
6. <i>Zoology.</i>	Course 1, General Morphology of Animals.	5 hours.
7. <i>Geology.</i>	Course 2.	3 hours.
8. <i>Physiography.</i>	Course 1.	1 hour.
9. <i>Chemistry.</i>	Quantitative Analysis.	5 hours.
10. <i>Bible.</i>	(Optional.)	1 hour.
11. <i>Botany.</i>	Course 1, General Morphology of Plants.	5 hours.
12. <i>Pedagogy.</i>		1 hour.
13. <i>English.</i>	Course 6.	2 hours.

SPRING TERM.

Required.

1. <i>Rhetoric.</i>	Course 3.	3 hours.
2. <i>History.</i>	Course 1.	2 hours.

Elective. Student to take 10 hours.

1. <i>Greek.</i>	Course 9, Comedy.	2 hours.
2. <i>Latin.</i>	Course 2.	3 hours.
3. <i>Mathematics.</i>	Courses 3, 6.	8 hours.
4. <i>German.</i>	Course 8 or 9.	2 hours.
	Course 1.	3 hours.
5. <i>French.</i>	Course 3.	3 hours.
6. <i>Zoology.</i>	Course 1, General Morphology of Animals.	5 hours.
7. <i>Geology.</i>	Course 2.	3 hours.
8. <i>Physiography.</i>	Course 1.	1 hour.
9. <i>Chemistry.</i>	Quantitative Analysis.	5 hours.
10. <i>Botany.</i>	Course 1, General Morphology of Plants.	5 hours.
11. <i>Pedagogy.</i>		1 hour.
12. <i>English.</i>	Course 6.	2 hours.

JUNIOR YEAR.

ALL COURSES.

FALL TERM.

Required.

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|--------------------------------------|----------|
| 1. <i>English History.</i> Course 2. | 5 hours. |
| 2. <i>Oratory.</i> Course 5. | 1 hour. |

Elective. Student to take 10 hours.

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|---|----------|
| 1. <i>Greek.</i> Course 10, Lyric Poets. | 2 hours. |
| 2. <i>Latin.</i> Course 3, History. | 2 hours. |
| 3. <i>Mathematics.</i> Course 8. | 5 hours. |
| 4. <i>Physics.</i> Course 1. | 5 hours. |
| 5. <i>Botany.</i> Economic. Course 2. | 2 hours. |
| 6. <i>Embryology.</i> Botanical. Course 3. | 1 hour. |
| 7. <i>Anatomy and Physiology.</i> Course 5. | 2 hours. |
| 8. <i>Geology.</i> Economic. Course 3. | 2 hours. |
| 9. <i>Chemistry.</i> | 5 hours. |
| 10. <i>Bible.</i> | 1 hour. |
| 11. <i>English.</i> Course 7. | 5 hours. |
| 12. <i>Zoology.</i> Course 2. | 5 hours. |
| 13. <i>German.</i> Course 5. | 2 hours. |
| 14. <i>French.</i> Course 1. | 3 hours. |

WINTER TERM.

Required.

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|---|----------|
| 1. <i>English Literature.</i> Course 4. | 5 hours. |
| 2. <i>Oratory.</i> Course 5. | 1 hour. |

Elective. Student to take 10 hours.

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|---------------------------------------|----------|
| 1. <i>Greek.</i> Course 11. | 2 hours. |
| 2. <i>Latin.</i> Course 3, continued. | 2 hours. |
| 3. <i>Mathematics.</i> Course 9. | 5 hours. |
| 4. <i>Physics.</i> Course 2. | 5 hours. |

5. <i>Botany</i> . Economic. Course 2.	2 hours.
6. <i>Embryology</i> . Botanical. Course 3.	1 hour.
7. <i>Anatomy and Physiology</i> . Course 5, cont'd.	2 hours.
8. <i>Geology</i> . Economic. Course 3.	3 hours.
9. <i>Chemistry</i> .	5 hours.
10. <i>English Bible</i> .	1 hour.
11. <i>Pedagogy</i> .	1 hour.
12. <i>English</i> . Course 8.	5 hours.
13. <i>Zoology</i> . Course 2.	5 hours.
14. <i>German</i> . Course 7 or 6.	2 hours.
15. <i>French</i> . Course 2.	3 hours.

SPRING TERM.

Required.

1. <i>English Literature</i> . Course 4, continued.	5 hours.
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Elective. Student to take 10 hours.

1. <i>Greek</i> . Course 12, The New Testament.	2 hours.
2. <i>Latin</i> . Course 4, Satirists.	2 hours.
3. <i>Mathematics</i> . Course 10.	5 hours.
4. <i>Physics</i> . Course 3.	5 hours.
5. <i>Botany</i> . Course 2.	2 hours.
6. <i>Embryology</i> . Botanical. Course 3.	1 hour.
7. <i>Geology</i> . Economic. Course 3.	3 hours.
8. <i>Chemistry</i> .	5 hours.
9. <i>Pedagogy</i> .	1 hour.
10. <i>English</i> . Course 9.	5 hours.
11. <i>Zoology</i> . Course 2.	5 hours.
12. <i>German</i> . Course 9 or 8.	2 hours.
13. <i>French</i> . Course 3.	3 hours.

SENIOR YEAR.

ALL COURSES.

FALL TERM.

Required.

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|-----------------------|----------|
| 1. <i>Philosophy.</i> | 5 hours. |
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Elective. Student to take 10 hours.

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|---|----------|
| 1. <i>Latin.</i> Course 5, Epistolary. | 2 hours. |
| 2. <i>Higher Mathematics.</i> Courses 14 a, 14 b, 20. | 6 hours. |
| 3. <i>Logic.</i> | 3 hours. |
| 4. <i>English.</i> Course 10. | 5 hours. |
| 5. <i>Physiology.</i> Course 5. | 2 hours. |
| 6. <i>Entomology.</i> Economic. | 2 hours. |
| 7. <i>History.</i> Course 4. | 3 hours. |
| 8. <i>Political Science.</i> | 5 hours. |
| 9. <i>Bible.</i> | 1 hour. |
| 10. <i>Greek.</i> Course 10. | 2 hours. |

WINTER TERM.

Required.

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|-----------------------|----------|
| 1. <i>Philosophy.</i> | 5 hours. |
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Elective. Student to take 10 hours.

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| 1. <i>Latin.</i> Course 5, continued. | 2 hours. |
| 2. <i>Higher Mathematics</i> Courses 15 a, 15 b, 21. | 6 hours. |
| 3. <i>Astronomy.</i> | 2 hours. |
| 4. <i>English.</i> Course 11. | 5 hours. |
| 5. <i>Physiology.</i> Course 5, continued. | 2 hours. |
| 6. <i>Entomology.</i> Economic. Course 3. | 2 hours. |
| 7. <i>Literature.</i> Course 12, Oriental and Classical. | 2 hours. |
| 8. <i>Political Science,</i> continued. | 5 hours. |
| 9. <i>Bible.</i> | 1 hour. |
| 10. <i>Pedagogy.</i> | 1 hour. |
| 11. <i>Greek.</i> Course 11. | 2 hours. |

 SPRING TERM.

	Required.	
1. <i>Philosophy.</i>		5 hours.
Elective. Student to take 10 hours.		
1. <i>Latin.</i> Course 6, Less Known Poets.		2 hours.
2. <i>Higher Mathematics.</i> Courses 16, 22.		6 hours.
3. <i>Astronomy.</i>		2 hours.
4. <i>Greek.</i> Course 12.		2 hours.
5. <i>English.</i>		5 hours.
6. <i>Entomology.</i> Economic. Course 3.		2 hours.
7. <i>Literature.</i> Course 7, continued.		2 hours.
8. <i>Christian Evidences.</i>		3 hours.
9. <i>Pedagogy.</i>		1 hour.
10. <i>Greek.</i> Course 12.		2 hours.

DEPARTMENTS OF INSTRUCTION.

PSYCHOLOGY, ETHICS AND PHILOSOPHY.

The study of Philosophy should begin with the elements of Psychology. The aim is to secure both comprehensiveness and thoroughness. No substantial progress can be made without first carefully considering the mental subject and its functions. The instruction will begin with an investigation of the various forms of mental phenomena. The work is divided into three subjects:

PSYCHOLOGY.

Mind will be studied in connection with the nervous system and its functions. As far as practicable experimental methods will be employed, but the constant appeal will be to consciousness. Although the course will be taught by the use of a text-book, considerable time will be taken, from the first, in oral instruction. The views of different authors will be compared and criticised. Among the topics considered will be: The Relations of the Soul to Matter; The Faculties, the limitations and correlations; Consciousness, its varieties and products; Classes and Media of Sense-Perceptions; Representation, its nature and forms and relation to habits of thought, speech and action; Thought and thought-knowledge, the nature of the concept and its formation; Products of thought, Judgment, Reasoning, System; Intuition and the relations of intuitive knowledge; Laws of thought and belief. Required course, Senior year. Five hours a week.

Logic. The forms of thought and the different modes of reasoning will be considered. Elective course, Senior year. Three hours a week.

Ethics. The nature and grounds of obligation will be considered and the grounds of the distinctions of right and wrong, of virtuous and sinful actions; Functions of Conscience; Moral Judgment; Relation of the Will of God to Moral Judgment; the Will of God, how made known; Relation of Benevolence to the various virtues and vices; Government; Rights and Duties and their correlation—Love the substance of both; Duties to God; Duties to Man; Relation of the sexes; Civil Society with its rights and obligations; Rights—Life, Liberty, Reputation, Property; Duties—Self-culture, Fidelity, Veracity. Required course, Senior year, following the Psychology. Five hours a week.

Theism. The personality of God and Man; Arguments for the being of God; Anti-Theistic Theories; Pantheism, Postivism, Materialism, Agnosticism.

Evidences of Christianity. Prophecy; Miracles; Character of Christ; Nature of His Doctrines; Character of the Apostles; The Credibility of the witnesses; The Spread and Effects of the System; Contrast with other Religions; Settlement of the Canon; Harmony with Modern Science. Elective course, Senior year, third term. Three hours a week.

PSYCHO-PHYSICS

has to do with the natural laws of physiology as applied to Psychology. To present this subject according to its recognition as a department of natural science, experimental and physiological methods are pursued.

The lectures treat of the cerebral and nervous apparatus, &c., as follows:

1. The normal anatomy, including histology.
2. Its functional elements; the normal physical and psychical activities.
3. The lesions of its organization, or the occurrence of the abnormal in development.
4. The lesions of disorganization or the acquired abnormal states.

PHILOSOPHY.

Philosophy investigates essential natures and first principles and causes. Hence the philosophic exercises of the mind are characteristically conversant about Real being. Being is that which truly is and exists. And, therefore, Being is that which underlies and effects all the phenomena of the visible world.

Philosophy affirms Being to be a subject of immediate and verifiable human knowledge; that Being is the source and cause of all apparent life and motion and form in visible Nature, and a subject equally and truly as knowable as its phenomena.

The method of Philosophy is psychologic:

1. The psychologic and philosophic ground of all knowledge is found in the constitution of the Soul.
2. Man is related through and by means of consciousness to Matter and Mind and Deity. Hence man is capable of knowledge in each of these subjects.
3. The Doctrine of Consciousness—it is the ground and condition of all knowledge whatever.
4. The scientific and philosophic principles of the Soul in which it is related to Material nature, to Mind, and to Deity.
5. The scientific and philosophic proofs of the doctrine of the Immortality of the Soul.
6. The microcosmic constitution of man as the ground of the universal range of his capabilities of knowledge.

7. Nature—The differentiation of Mind and Matter, considered apart and in relation. The life principle is the active element, and the material principle is the passive and instrumental element; and a certain orderly conjunction of the vital with the material element is the fact of organization.

8. The Philosophy of Conscience, of Faith, of Knowledge, and of Law, as topics illustrative of the principles and the argument. The limit of this notice necessarily precludes intelligible outlines.

From this point of view of Real Being, essentially and relatively identified, the course in Philosophy is intended to exercise the mind in the analytic and contemplative speculation and review of the Sciences, Physical, Metaphysical, and Theistic, and in the philosophic comprehension of all the sciences as they unite in a manifest and knowable First Cause.

The course will consist, for the present, of about thirty-five lectures, to be delivered to the Senior class during the several terms of the Senior year. Required course.

HISTORY.

History enables the student to appropriate the wisdom and the experience of preceding ages. The aim of the instruction in this department is first to furnish the general information that is necessary for intelligent citizenship and the demands of social life, and second to give such training as will be valuable to students who are looking forward to the profession of Law or Journalism. In history the courses offer in connection with the preparatory courses a somewhat comprehensive study of events from the beginning of Greek civilization down to the present time. As far as practicable the work is intended to be continuous. The required studies of the College Course in History are:

1. A course in General History during the Sophomore year. It begins with "The Migration of the Nations" in the 4th century. The text will be Prof. Fisher's Outlines, and frequent synopses and discussions, in writing, will be required.

2. English History will be studied in the text of Gardiner's Student's History during the Fall term of the Junior year. A previous knowledge of Ancient and Mediæval History will be assumed, and the benefits of the study, as well as its necessity, will be felt in the subsequent studies of Political Science and of English Literature. Frequent papers and discussions will be called for in the course of this study.

4. An elective course in History from 1848 to 1890 will be offered to those who have taken Ancient, Mediæval and all previous Modern History. It will occupy three hours per week, and will consist of lectures, examinations and papers on prescribed topics. This will continue during the Fall term.

ECONOMICS.

Political science is studied not only in its abstract relations, but as connected with sociology and ethics.

In production, the student's attention is directed to its factors—the forces of nature, capital and labor. The distribution of the product, and the laws which regulate this distribution are then considered. Following distribution of the product, and the laws which regulate this distribution comes exchange. Should it be free or taxed; and, if taxed, for what purpose, and to what extent? Consumption, both productive and destructive, with charities, subsidies, free education, and public works, receive due attention. The laws of God which apply to society, of which our Federal Constitution is the best statement, are then taken up and considered. The origin and history of the

Constitution; its amendments; its development by legislation, and by judicial decisions, and its adaptability to all future needs are thoroughly impressed upon the student.

An elective course in Political Economy and in Political Science—using Newcomb, and Sterne's Development of the Constitution as texts—will be offered to those who have previously taken the courses in History. This will continue through the first and second terms, five hours each week. Papers and discussions on prescribed topics will be frequently called for.

THE LATIN LANGUAGE AND LITERATURE.

The work in Latin is intended to give to the student a thorough knowledge of the structure of the language and such an acquaintance with Roman history, antiquities and literature as will lead to a correct idea of the influence of Roman life and thought upon our own civilization. The work is partly required and partly elective. The required work includes five recitations weekly for one year. In addition to this the student may elect the equivalent of seven hours weekly for a second year. The college library and that of the instructor contain the best critical editions, commentaries, monographs and works of reference. Students who have completed the course have taken high rank in the universities, and have made successful teachers.

THE REQUIRED WORK:—The attention of the student in the required work of the Freshman year (see pages 14 and 15) is directed chiefly to the structure of the Latin sentence and the subject of Latin style, as illustrated in the portions of Cicero, Livy and Horace read in the class room, and as developed by weekly exercises in Latin composition, and by constant practice in reading at sight and in the order of the original. The text books used in this course in the year 1895-96 will be Kelsey's Cicero's Cato

Maiores and Laelius, Greenough's Livy I. and II., Smith's Odes of Horace, Simpson's Cæsarian Prose, Allen & Greenough's grammar and Lewis's dictionary.

THE ELECTIVE WORK:—In the elective work the study of Roman literature is made prominent. Selections are read from a wide range of authors from Plautus to Suetonius. Topics for special study are assigned and lectures given from time to time by the instructor. For the year 1895-96 the following courses are offered:

1. Latin Comedy: The *Trinummus* of Plautus and *Phormio* of Terrence. Three hours weekly through the first half year; open to any who have taken the required work.

2. Latin Philosophy: Selections from Lucretius, Cicero's *De Officiis*, and Seneca. Three hours weekly through the second half year.

3. Latin History: Selections from Cæsar, Nepos, Sallust, Tacitus, Suetonius, The Development of Historical composition. Two hours weekly through the first half year; open to Juniors and Seniors.

4. Latin Satire: Selections from Horace, Juvenal and Persius. Two hours weekly through the second half year.

5. Epistolary Latin: Selections from the correspondence of Cicero, Pliny and Seneca. Two hours weekly through the first half year; open to Sophomore, Juniors and Seniors.

6. The less known poets: Selections from Catullus, Ovid and Martial. Two hours weekly through the second half year, the complement of course 5.

MATHEMATICS.

The aim of this department is to teach thoroughly the general methods and most important results of those branches of mathematics with which every student who expects to do university work in this subject must be con-

versant. It is believed that the course as arranged accomplishes this, and at the same time provides each year a line of work complete in itself, for the benefit of those who do not expect to take a full course in Mathematics. The work of the first two years is that covered in the corresponding years in such institutions as Yale, Harvard, Chicago, Cornell, or Michigan. This work is offered every year. The courses of the last two years are alternate courses, the whole being given within any two years. This arrangement enables a student to take all his required work, and for the Sophomore year one other elective, and yet to take all the mathematics of the college within a four years' course. The ground covered is sufficient to prepare for taking the doctor's degree with two years' work, at any university.

The method of instruction is based upon the principle that Mathematics is pre-eminently a subject of insight, intuition, keenness. Every effort is made to develop this power in the student. He is expected to develop his assigned topics or problems by focusing light on them, rather than by dissecting them logically. All solutions, exercises, and demonstrations must be direct, clear, concise, and systematic. Formula using and following the text is discouraged, while originality and independence is stimulated. The student is expected to invent, to criticise, to put results in symbols into words. In the highest courses the "*Lern und Freiheit*" method prevails.

Both algebraic and graphic expressions are used, the texts being chosen with this end in view, or else the phase lacking is supplied by lecture. Where necessary for clearness, models as well as drawings are constructed by the pupil.

Further, the student is impressed with the fact that Mathematics is the most powerful instrument of modern research, and he is taught to make an instrument of research of it, in solving numerous practical problems.

A knowledge of French and German is necessary for the more advanced courses.

CONSPECTUS OF THE WORK.

	FALL.	WINTER.	SPRING.
FIRST YEAR.	1a. Solid Geometry, 6 weeks. 1b. Trigonometry, 8 weeks. 3. Drawing and Model	1b. Trigonometry, 3 weeks. 2. Co-ordinate Geometry, 7 weeks. Construction, through	2. Co-ordinate Geometry, the year.
SECOND YEAR.	4. Theory of Equations 7. Surveying and Rail	5. Differential Calculus road Curves, through	6. Integral Calculus, the year.
THIRD YEAR.	8. Modern Pure Geometry. 11. Quaternions.	9. Invariants. 12. Theoretical Mechanics.	10. Advanced Analytic Geometry. 12. Con. 13. Newtonian Potential.
FOURTH YEAR.	14a. Finite Differences 7 weeks. 14b. Probabilities, 7 weeks. 17. Functions of a Real Variable. 20. Theory of Numbers	15a. Definite Integrals. 15b. Calculus of Variations. 18. Functions of a Complex Variable. 21. Algorithms.	16. Differential Equations. 19. Elliptic and other Functions. 22. History of Mathematics.

Courses 3 and 7, 8-10 and 11-19, 14-16 with 20-22 and 17-19 alternate.

In 1894-5, Courses 1, 2, 5, 6, 8, 11, 12 were given. In 1895-6, Courses 1, 2, 3, 4, 5, 6, 8, 9, 10, 14, 15, 16, 20, 21, 22 will be given.

COURSES IN DETAIL.

1a. *Solid Geometry*: Parker. Autumn, six weeks. Three-fifths. Fundamental postulates of Euclidean space; lines and planes in space polyhedrons, pyramids, prisms, prismatoids, cylinders, cones; the sphere. Corresponding problems in mensuration are given.

1b. *Trigonometry*: Jones; Jones' Tables. Autumn, eight weeks; Winter, three weeks. Three-fifths. Geometrical definitions of the functions; periodicity and formulæ; addition-theorem and resulting formulæ; application to plane triangles; application to spherical triangles. Prerequisite, 1a.

2. *Co-ordinate Geometry*: W. B. Smith. Winter, seven weeks; Spring. Three-fifths. Determinants; point-coordinates; polar co ordinates; the right line, transform-

ation formulæ, tri-linear co-ordinates, areas, transversals, cross ratios, harmonic rays, homographic pencils, involutions, intersections; the circle, tangent to the circle, pole and polar, power-line, power-center, limiting points, orthogonal circles, axis of similitude, taction problem; general properties of conics; central conics, perpoles and perpolar, foci and directrices, asymptotic properties; special methods and problems; conditions, conics through five points, Pascal's theorem; confocals; the conic as envelope. Triplanar co-ordinates, cylindric co-ordinates, spheric co-ordinates, right lines and planes; cylindric surfaces, conic surfaces, quadrics; varieties of quadrics; curbature of quadric. Prerequisite, 1.

3. *Mechanical Drawing, and Model Construction: Thompson.* Through the year. Two-fifths. A course in orthographic projection; shades and shadows; linear perspective, parallel, angular, and oblique; isometric and working drawings; construction of models from developments; cardboard models, thread models, wire models, plaster models.

4. *Theory of Equations and Elimination: Burnside and Panton,* Chapters I-XIV. Autumn. Five-fifths. General properties of polynomials; general properties of equations; relations between the roots and coefficients, applications to symmetric functions; transformation of equations; solution of reciprocal and binomial equations; the cubic and the biquadratic; derived functions; limits of the roots; separation of the roots; numerical equations; complex numbers; determinants; symmetric functions; elimination. Prerequisite, 2.

5. *Differential Calculus: Byerly.* Winter. Five-fifths. Derivatives of algebraic and transcendental functions; applications to tangents, radii of curvature, indeterminate forms, maxima and minima; elementary integration; a study of the cycloid; problems in mechanics; development

in series; infinitesimals, differentials, functions of more than one variable; change of variable; tangents in space, plane curves. Prerequisite, 2.

6. *Integral Calculus: Byerly.* Spring. Five-fifths. Symbols of operation, imaginaries, complex quantities, hyperbolic functions; general methods of integrating; rational fractions; reduction formulæ; irrational forms; trigonometric forms; definite integrals; the gamma function, the beta function; lengths of curves, areas, areas of surfaces, volumes, centers of gravity; line, surface, and space integrals; mean value and probability; elliptic integrals; introduction to theory of functions. Prerequisite, 5.

7. *Surveying, Railroad Curves, and Earthwork: Carhart's Surveying, and Field-Book.* Through the year. Two-fifths. Use of transit and level; laying out land; laying out curves, switches and crossings; leveling, cross-sectioning, earthwork; topography. Prerequisite, 1.

8. *Modern Pure Geometry: Lachlan.* Autumn. Five-fifths. This is the student's introduction into the field of modern Mathematics. It treats according to the method of Chasles, of harmonic ranges and pencils; involution; the triangle; perspective; the circle; reciprocation; two circles; coaxal circles; inversion; systems of circles; cross-ratio. Extensions to all conics by projection. Prerequisite, 1.

9. *Theory of Invariants: Burnside and Panton,* Chapters XV–XVIII; *Fr. Faà de Bruno.* Winter. Five-fifths. Covariants and invariants; linear transformations; quadratic, cubic, and quartic; combined forms; Tschirnhausen's transformation; Hermite's theorem; geometrical transformations; symbolical methods; evectants, transvectants; canonical forms; systems of quantics; applications to binary quantics; restricted systems; symbolic proofs. Prerequisite, 5.

10. *Advanced Analytic Geometry: Briot et Bouquet.* (14th Edition.) Spring. Five-fifths. Co-ordinates, various

curves, transformations of co-ordinates, correspondence, general transformations, Cremona transformations; geometric loci; curves of the second order, classification; focal properties; conics in general, intersecting conics, poles and polars, reciprocity, tangential co-ordinates; homogeneous and trilinear co-ordinates; relations between the roots of the cubic; application of the properties of homogeneous polynomials; general theory of curves; curve-tracing, convexity and concavity. singularities, the Hessian, class of a curve, Pluecker's equations, asymptotic properties; homothetic curves; graphic solution of equations; unicursal curves and use of a parameter; study of the five cubics. Space-co-ordinates, general transformations; line and plane; generation of surfaces; quadrics and their intersections; invariants; poles and polars; reciprocals; surfaces in general; singularities; envelopes; ruled surfaces; twisted curves; homogeneous co-ordinates, applications; line-co-ordinates, complexes, congruences. Prerequisite, 9.

11. *Quaternions: Tait.* Autumn. Five-fifths. Vectors and their composition; quaternions and their composition; formulæ, interpretations, transformations, differentiation and integration; applications to lines, planes, spheres, and cones; the linear vector function; solution of equations; surfaces of second degree; curves and surfaces in general; kinematics; mechanics; applications to physics. Prerequisite, 6.

12. *Theoretical Mechanics: Ziwet.* Winter and Spring. Five-fifths. Motion, kinematics; centroids, moments, momentum, energy; statics, concurrent forces, parallel forces, couples; plane statics, stability, jointed frames, friction; solid statics, virtual work; attractive forces; impulses, impact, rectilinear motion; free curvilinear motion, constrained motion; LaGrange's equations; kinetics of a rigid body; moments of inertia; rigid body with a fixed

axis; rigid body with a fixed point; free rigid body; motion of a variable system. Prerequisite, 6; 11 is desirable.

13. *Newtonian Potential: Peirce.* Spring. Five-fifths. Theory of the potential for forces varying inversely as the square of the distance; attraction of gravitation; the potential in gravitation; the potential in repulsion; surface distribution; Green's theorem; electrostatics. Prerequisite, 12.

14a. *Finite Differences and Interpolation.* Autumn, seven weeks. Three-fifths. Differences of successive orders, symbolic methods; direct and inverse processes; connection with the infinitesimal calculus; interpolation; approximate summation; solution of difference equations; functional equations. Prerequisite, 6.

14b. *Theory of Probabilities and Least Squares.* Autumn, seven weeks. Three-fifths. Averages, probabilities, permutations and combinations, determination by finite differences; least squares. Prerequisite, 14a.

15a. *Definite Integrals.* Winter, five weeks. Three-fifths. Fundamental properties, methods of computation; various important integrals; double and triple integrals; potential functions; trigonometric series; Fourier's integrals. Prerequisite, 14b.

15b. *Calculus of Variations.* Winter, five weeks. Three fifths. Absolute maxima and minima of a simple definite integral; second variation; Jacobi's criterion; variable limits; relative maxima and minima; extension to several unknown functions; double integrals; conditions of integrability. Prerequisite, 15a.

16. *Differential Equations: Forsythe,* Chapters I-IX. Spring. Three-fifths. General cases; differential equations of the first order, general linear equation with constant co-efficients; miscellaneous methods; integration in series; the hypergeometric series; solution by definite integrals; ordinary equations with more than two variables;

partial differential equations of the first order. Prerequisite, 6.

17. *Functions of a Real Variable*. Autumn, eight weeks. Five-fifths. Ideas of integers, rationals and irrationals, Cantor's theory; theory of limits; idea of function, discontinuities, singularities; properties of derivatives; infinite series and convergence; uniform convergence; condensation of singularities; functions without derivatives. Prerequisite, 16.

18. *Functions of a Complex Variable: Harkness and Morley*. Autumn, six weeks. Winter. Five-fifths. Monogenic functions; conform representation; uniform functions; infinite series, circle of convergence, continuation of analytic functions; algebraic functions; integration; Riemann surfaces; theorems of Cauchy, Laurent. Weierstrass, Mittag-Leffler. Prerequisite, 17.

19. *Elliptic Functions, Double-Theta Functions, and Abelian Integrals: Harkness and Morley*. Spring. Five-fifths. Double periodicity, Liouville's theory; the p -function; the zeta-function, the sigma-function; formulæ; applications; theory of marks, double theta-functions; Rosenhain hexads; Goepel tetrads; formulæ; Dirichlet's problem, harmonic functions; Abelian integrals, the functions ϕ ; integrals of the first, second and third kinds; use of Riemann surfaces; Abelian functions. Prerequisite, 18.

20. *Theory of Numbers*. Autumn. Three-fifths. Historical; divisibility, primes, totients; continued fractions; congruences; quadratic residues; reciprocity theorem; binomial congruences; theorems of Wilson and Fermat; Gauss' methods; composition of forms; Kummer's theory. Prerequisite, 6.

21. *Algorithms*. Winter. Three-fifths. Definitions of mathematics; algebraics, graphics, etc.; general principles; vids and multenions; facters; multifacters; vid-

variations; multifactor-variations; vid-transformations; multifactor-transformations; variants; vid-substitutions, functions; substitution-variations; substitution-transformations; substitution-variants; substitution-substitutions, multifunctions.

22. *History of Mathematics: Cajori.* Spring. Three-fifths. The Babylonians, the Egyptians, the Greeks, the Romans, the Hindoos, the Arabs; Mediæval Europe; the Renaissance, Descartes, Newton, Euler, LaGrange, Laplace; Modern Mathematics; synthetic geometry, analytic geometry, algebra, analysis, numbers, applied mathematics.

PHYSICS.

The department of Physics is complementary to that of Mathematics. It offers a field for the practical application of whatever mathematical skill the student may possess. It offers aside from this a training in eye, ear and hand, and in manipulation of apparatus, indispensable to a student of science. Students intending to take courses in Architecture and Engineering are urged to take this thorough preparation before going to special schools.

COURSES IN DETAIL.

1. *General Physics: Barker.* Five-hour course. Requires Math. 1. Autumn.

Mass-Physics	{	Kinematics.
		Dynamics.
		Work and Energy.
		Attraction and Potential.
		Properties of Matter.
		Mass-vibration. <i>Sound.</i>

Molecular-Physics—Molecular Kinetic Energy: *Heat.*

Ether-Physics	{	Energy of Ether-Vibration: Radiant Energy—
		<i>Light.</i>
		Energy of Ether-Stress. <i>Electrostatics.</i>

Ether-Physics	{	Energy of Ether-Vortices: <i>Magnetism.</i>
		Energy of Ether-Flow: <i>Electrokinetics.</i>
		Electromagnetic Theories.

This course embraces a full study of all branches of physics, especially the recent developments in electricity, and recent inventions. It is especially necessary as the essential foundation of any work depending upon Physics.

2. *Astronomy and Astrophysics: Young.* Five-hour course. Requires Math. 1; Phys. 1.

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| 1. The sphere. | 12. Problem of three bodies. |
| 2. Astronomical instruments. | 13. Planets' motion. |
| 3. Observations. | 14. Planets. Minor planets. |
| 4. Problems of practical astronomy. | 15. Major Planets. |
| 5. The earth. | 16. Sun's parallax. |
| 6. The earth's motion. | 17. Comets. |
| 7. The moon. | 18. Meteors. |
| 8. The sun. | 19. Stars. |
| 9. The sun's light and heat. | 20. Light of the stars. |
| 10. Eclipses. | 21. Aggregation of stars. |
| 11. Central forces. | |

3. *Physical Measurements: Stewart and Gee.* Five-hour course, fifteen hours Laboratory work. Requires Math. 1; Phys. 1.

GENERAL MEASUREMENTS.

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| 1. Measurement of length. | 6. Elasticity, tenacity, capillarity. |
| 2. Angular measurements. | 7. Atmospheric pressure. |
| 3. Estimation of mass. | 8. Time, gravitation, moments of inertia. |
| 4. Measurement of area and volume. | 9. Discussion of all results, method of least squares. |
| 5. Determination of density | |

ELECTRICAL MEASUREMENTS.

1. Electrostatics.
2. Magnetism.—Magnetic field; action of magnet on a magnet; determination of H and M; effect of temperature; Distribution of magnetism.
3. Voltaic Electricity.—Fundamental experiments; electroplating; galvanometers; Figure of merit of galvanometer; comparison of electromotive forces; Proof of Ohm's law; Wheatstone's bridge; Calibration of galvanometer.
4. Measurement of Resistance.—Box of coils; Differential galvanometer; Slide bridge; Low resistance; High resistance; Resistance of batteries and electrolytes.

5. Tangent Galvanometer.—Battery resistance; Wire resistance; Electromotive force; Galvanometer constants; Joule's law; Potential galvanometer.
6. Magnetic Elements.—Magnetic inclination; Time of vibration; Deflections; Declination; Geographic meridian.
7. Electromagnetism and Electromagnetic Induction.—Action of a linear and a circular current on a magnet; Proof of electromagnetic laws; Solenoid; Laws of electromagnet; Induction experiments; Self-induction; Damping; Resistance of magneto-inductor; Earth inductor; Magnetic fields; Coefficient of self-induction; comparison of self and mutual induction coefficients.
8. The Condenser.
9. The Electrometer.
10. Wheatstone net. Electrical units. Miscellaneous.

PHYSICAL LABORATORY.

The laboratory is equipped with desks for students, lecture room, sink, water, gas, electricity, work shop, and lantern. The apparatus includes a large quantity of lecture apparatus, and a good supply of instruments for quantitative work in mechanics, heat, light, magnetism and electricity. The instruments of precision include a Browning spectrometer reading to minutes; diffraction grating by Rowland, separating the E line; micrometer calipers, micrometric attachments with large microscope; quantitative balance; astatic galvanometer and thermopile; spherometer; large polarimeter; sextant and optic circle reading to $7\frac{1}{2}$ seconds; galvanometers of tangent, sine, Helmholtz-Gauguin, Weidemann, vibration mirror, and Dupres-D'Arsonval types; Bunsen ice calorimeters; resistances; Atwood machine; piezometer; government standard barometer; Wollaston goniometer; electromagnet for diamagnetic work; small electric motor; Coulomb balance; magnetometer; quadrant electrometer; resistance box and bridge, and other. New pieces are added yearly, and many are constructed, so the equipment is thoroughly modern and complete. It is the intention to give a thorough course in experimental work such as is required for graduation in any technical school.

THE GREEK LANGUAGE AND LITERATURE.

1. HOMER'S ODYSSEY.

In this course a thorough knowledge of Homeric forms and a fair knowledge of the Homeric vocabulary are pre-supposed. Attention is therefore directed less to merely grammatical work and more to rapid reading and translation. From eight to ten books of the *Odyssey* are read—large portions of them at sight—and a just appreciation of their literary value is diligently sought. Freshman required course, four hours a week. Fall term.

2. GREEK MYTHOLOGY.

This course is intimately associated with course 1, and is supplementary to it. Topics suggested by the reading of Homer receive full consideration. A systematic and thorough study of the subject is made by the use of text books, supplemented by lectures whenever necessary. Freshman required course, one hour a week. Fall term.

3. HERODOTUS.

Familiarity with the style and matter of Herodotus is the object mainly sought. Peculiarities of form are carefully noted and studied. Book IX is read with due consideration of the history of the period. In addition a thorough review is made of portions of Goodwin's grammar. Freshman required course, four hours a week. Winter term.

4. GREEK PROSE COMPOSITION.

The translation of passages based upon the text of Herodotus constitutes the principal work of this course. Both oral and written exercises are required. Freshman required course, one hour a week. Winter term.

5. PLATO.

The *Apology* and *Crito* of Plato are read, and in connection with them many passages from other works which bear upon the subjects treated. A brief outline of the History of Philosophy is also given. Freshman required course, three hours a week. Spring term.

6. XENOPHON.

The *Memorabilia* is read in connection with the *Apology* and *Crito* that the character of Socrates may be studied from the standpoint of Xenophon as well as Plato. The literary qualities of Xenophon are also duly considered, selections from the most noteworthy and beautiful passages being read. Freshman required course, two hours a week. Spring term.

7. DEMOSTHENES.

The translation of the *Philippics* is accompanied by the study of the history of the time, of the Athenian financial and military systems, and of the Athenian legislative bodies. The style of Demosthenes is the subject of careful study, several orations being analyzed and discussed as masterpieces of eloquence. Parts of Jebb's *Attic Orators* and *Primer of Greek Literature* are assigned for collateral reading. Elective course, two hours a week. Fall term.

8. TRAGEDY.

Selected plays of Euripides are read. The origin and development of the drama, its structure in its perfected form; the Attic theatre, its construction, its maintenance, its place in the public and private life of the Athenians, are among the subjects treated by lecture, and also assigned to the student for special in-

vestigation. Elective course, two hours a week. Winter term.

9. COMEDY.

The Clouds of Aristophanes is made the basis of a study of the Greek Comedy, its history, form, and influence. The bearing of this drama upon Philosophy, and especially upon that of Socrates, is discussed. Representative passages from other comedies are also read. Elective course, two hours a week. Spring term.

10. LYRIC POETS.

The object of this course is to give some familiarity with lyric poetry. Selections are read from the best Elegiac, Iambic and Melic poets, such as Theognis, Mimnermus, Xenophanes, Sappho, Alcaeus, and Anacreon. Elective course, two hours a week. Fall term.

11. SOPHOCLES AND ÆSCHYLUS.

This course is a continuation of course 8 and is devoted to the study of some of the plays of Sophocles and Æschylus. Elective course, two hours a week. Winter term.

12. THE NEW TESTAMENT.

An introduction to Hellenistic Greek is gained through a course of reading in the Greek Testament. Comparisons with Classical Greek are made, and differences in form and construction noted. One of the Pauline Epistles is read critically, and one of the Gospels at sight. Lectures are given upon the manuscripts of the New Testament. Elective course, two hours a week. Spring term.

Text-books for the Required Courses:

Keep's Autenrieth's Homeric Dictionary; Perrin's Odyssey, Books V-VIII.; Teubner text of the Odys-

sey, Books I–XII.; Gayley's *Classic Myths*; Schuckburgh's *Herodotus*, Book IX.; Dyer's *Plato's Apology and Crito*; Winan's *Xenophon's Memorabilia*; Goodwin's *Grammar*; Liddell & Scott's *Lexicon*.

MODERN LANGUAGES.

GERMAN.

Courses 2, 3 and 4, are open to all students who are able to read at sight simple German prose; they are required of all Philosophical Freshmen. The works read vary from year to year, but for the ensuing year are detailed below. An effort is made to give some familiarity with the classic works of Schiller, Goethe and Lessing, as well as the best representatives of contemporary German literature.

In addition to the works specified, others adapted for sight reading are used as opportunity offers. For those desiring to use German in scientific studies, a course of reading in Scientific German is given. While every recitation is to a large degree an exercise in the conversational use of German, a separate course is devoted to this subject in connection with the work of the Freshman year, in case a sufficient number of students desire it.

COURSE 1. Elementary German. This course is designed for classical students and for others who have had an equivalent training in language enabling them to do the rapid and thorough work required. It is proposed to accomplish by this three-fifths course what is ordinarily accomplished by the full preparatory course in German. Elective course, three hours a week. The entire year.

COURSE 2. Nineteenth Century Writers. Selections are read from the prose of Heyse, Storm, Stifter and others. Freshman required course, five hours a week. Fall term.

COURSE 3. Comedy. This course affords an introduction to German comedy, and is also valuable as giving an

acquaintance with many modern colloquialisms. Freshman required course, five hours a week. Winter term.

COURSE 4. Schiller. A study is made of one or more of the the less difficult of Schiller's plays. Freshman required course, five hours a week. Spring term.

Courses 5, 6, 7, 8 are open to all who have taken the preceding courses or their equivalent.

COURSE 5. Lessing. Emilia Galotti or Nathan der Weise. Elective course, two hours a week. Fall term.

COURSE 6. Goethe. Hermann and Dorothea. Elective course, two hours a week. Winter term.

COURSE 7. Scientific German. Dippold's Scientific German Reader. Elective course, two hours a week. Winter term. This course alternates with course 6.

COURSE 8. Historical German Grammar. This course is based upon Behaghel's *Die Deutsche Sprache*. Elective course, two hours a week. Spring term.

COURSE 9. German Literature. A course in the General History of German Literature, consisting of readings, of investigations upon topics assigned, and of lectures. Elective course, two hours a week. Spring term. This course alternates with course 8.

FRENCH.

1. ELEMENTARY COURSE.

Jayne's Minimum Grammar and Reader. This is followed by the reading of easy prose selections in connection with which the more critical study of forms and syntax is pursued. Thorough drill in translation from English into French is given. Elective course, three hours a week. Fall term.

2. INTERMEDIATE COURSE.

The main object of this course is to give practice in rapid reading. For this purpose, selections are made

from the works of the most entertaining authors. The study of composition is carried on by the use of Grandgent's *Materials for French Composition*. Elective course, three hours a week. Winter term.

3. ADVANCED COURSE.

Selected dramas of Victor Hugo and Moliere are read. In addition to these works, others of a simpler nature assigned for private reading. Elective course, three hours a week. Spring term.

ENGLISH AND ORATORY.

The work in English includes courses in English Literature, English Language, Rhetoric, Composition, and Elocution. The object is, first: to give the student command of the English language in speaking and writing; second: to teach him to understand and then to appreciate the essential principles of English Literature and the main course of its development.

REQUIRED.

1. *Composition and Rhetoric*. Exercises in Paragraph writing, and study of the elements of Rhetoric. Gunning's *Practical Elements of Rhetoric*, and Scott & Denney's *Paragraph Writing*. Two hours a week.
2. *Elocution*. Practical drill in delivery of declamations, in debating, and in reading aloud. One hour a week. Fall and Winter. Freshman year.
3. *Higher Rhetoric*. This course considers the essentials of Literature, from the point of view both of Rhetoric and of criticism. It forms a basis for the more extended study of English Literature in the following year. Sherman's *Analytics of Literature*. Three hours a week. Sophomore year.
4. *English Literature, including American Literature*. This study will consist of an analysis of writings and

a comparative estimate of their merit and influence. Certain authors will be selected for more critical study, and students will be called upon for original reviews and criticisms. Five hours a week. Winter and Spring terms. Junior year.

5. *Oratory*. The work in this course consists partly of individual drill in the composition and delivery of orations, and partly of the study of the work of noted orators. Baker's *Specimens of Argumentation*. One hour. Fall and Winter terms. Junior year.

ELECTIVE.

6. *Anglo-Saxon*. This course is an introduction to Anglo-Saxon prose, and to the easier poetry. It is open to students who have had courses 1 and 2. Bright's *Anglo-Saxon Reader*. Two hours a week, throughout the year.
7. *Shakespeare*. This course considers two plays, a tragedy and a comedy, in detail. Others will be studied more generally. In this and in the two following courses, considerable outside reading is required. Open to those who have had courses 1, 2 and 3. Moulton's *Shakespeare as a Dramatic Artist*, Dowden's *Shakespeare Primer*. Five hours a week. Fall term.
8. *The Georgian Poets*. Coleridge, Wordsworth, Byron, Shelley and Keats will be studied; the aim being to present a comprehensive view of the period. Open to those who have had course 7. Five hours a week. Winter term.
9. *Tennyson and Browning*. A study of the poetry of the last half century. Open to those who have had course 7. Five hours a week. Spring term. Alternating with courses 7, 8 and 9 are 10 and 11 which will be given in 1896-7.

10. *Chaucer and Middle English.* This course traces the history of the language from the Norman Conquest, and studies the Canterbury Tales. The aim is largely linguistic. Open to those who have had courses 1, 2 and 3. Five hours a week. Fall term.
11. *The Development of English Prose.* Beginning at the end of the Middle English Period, this course traces the growth of Prose Style to the present time. Open to those who have had course 10. Five hours a week. Winter and Spring terms.
12. *Oriental and Classical Literature.* A comparative study. Open to those who have course 4, and the required courses in History. Written and extempore discussions will be frequently called for. Three hours a week; Winter term. Two hours a week; Spring term.
13. *Minor Elizabethan Dramatists.* A study of the Elizabethan Drama, designed partly as a presentation of the 16th Century in England, and partly as a setting for Shakespeare. Open to those who have had courses 1, 2 and 3. Three hours a week. Spring term.
14. *Nineteenth Century Essayists.* This course will consider the work of five or six representative authors, and also the history of periodicals during the century. Open to those who have had courses 1, 2 and 3. Three hours. Spring term; alternating with course 13. Course 13 will be given in 1896-7.

THE BIBLE.

A systematic course of study in the English Bible is offered each year, open to all students of the college. The purpose contemplated is to give a good general knowledge of the character and contents of the Scriptures, using the Bible as the text book, and supplementing it by lectures and suggested collateral reading. The course is one hour

a week through the first and second terms, and will be continued progressively from year to year, so as to give a complete study of both the Old and New Testament in the four collegiate years.

Course 1. From the Creation to the Division of the Jewish Kingdom.

Course 2. From the Division of the Jewish Kingdom to the Birth of Christ.

Course 3. The Life of Christ, and the Establishment of the Christian Church.

Course 4. The books of the Old and New Testaments. Course 2 will be given in 1895-6.

SCIENCES.

The object of the Science work is to render the student familiar with typical forms of both plant and animal life, also with forms so related to these that the law of evolution in nature is clearly placed before the student's mind.

The greatest possible benefit a student may derive from this work is careful, exact, systematic work, keenness of observation, clear, unprejudiced discrimination and logical conclusions regarding natural laws developed in the Laboratory.

Each student is required to keep a series of systematic note books in each line of work, showing observations, experiments, and their results, or his own conclusions. These courses in text, references and Laboratory training, prepare the students first of all to become broad-minded, careful thinkers ;they also prepare for special work in the technical schools in Botany, Zoology, Biology, Chemistry and Geology; they are especially adapted to the students intending to prepare for medical schools, and for those fitting themselves for science teaching, either in high schools or colleges.

The courses designed especially for agricultural students are of great importance.

EQUIPMENT.

The College is well equipped with Bausch and Lomb microscopes in number sufficient to supply each pair of students.

Proper material for preparing and mounting histological slides is kept constantly on hand.

A large Bullock microscope with micrometer adjustments and Zeiss objectives is used for the finest work, as in Bacteriology.

The Chemical Laboratory possesses the usual equipment, accommodating twenty students with individual desks.

A large list of reference books is at the command of the student, including a complete set of Smithsonian contributions, miscellaneous collections and reports, a full set of the American Journal of Science and various other valuable reports from the Coast and Geodetic Survey, the Geological survey, the Ethnological Reports and Natural History Surveys.

Constant additions are made to apparatus and books; current periodicals are kept on file, as Science, The American Naturalist, The American Journal of Science, Astronomy and Astro-Physics, Botanical Gazette, Microscopical Gazette and others.

COURSES IN DETAIL.

BIOLOGY.

1. *Elementary Biology: Parker.* This is a course of text-book work, taking up the amoeba, haematococcus, heteromita, as typical of three classes of organisms. These are then compared with the constituent parts of the higher animals and plants, showing essential points of resem-

blance and difference. Advancing from these, vorticella, the foraminifera, diatomaceæ, mucor, algae, agaricus, nitella, the hydra and hydroid polypes, polygordius, star-fish, cray-fish, fresh-water clam, dog-fish, mosses, ferns and the higher angio-sperms are taken up in their successive and natural order, to show the law of differentiation with the increase in complexity of structure. Besides, the embryology of several of the preceding is studied, in order to show the foundation of the law of Evolution. Two hours, throughout the year.

2. *Elementary Practical Biology: Huxley and Martin* for Fall and Spring terms; *Parker's Zootomy* for the Winter term. This is exclusively a course of Laboratory work, throughout the year. Beginning in the Fall term, investigations are made on as many of the lower organisms as can possibly be obtained. The work advances to the dissection of the cray-fish, earth-worm, and fresh-water clam. In the Winter term the fish, pigeon, and the cat are dissected. In the Spring term the frog, the fern and higher angiosperms, are each carefully dissected in turn. This supplements course 1. Three hours. These two courses are required of Scientific Freshmen.

BOTANY.

1. *General Morphology and Classification: Goebel.* This work begins with the classification of compositae, ferns and grasses in the Laboratory, followed by text-book and laboratory work upon Cryptogamic Botany. The student is familiarized with typical plants belonging to thallophytes, algae, fungi, mosses, vascular cryptograms and finally spermophytes. Two recitations and ten hours laboratory work weekly are required. Five hours; requires Biology courses 1 and 2. This course will be offered in 1895 and 1896.

2. *Histology of Plants: Hillhouse and Strassburger:*

This is a course of thorough microscopic investigation upon plants showing typical cells, their modifications, contents and arrangement into great tissue system. The student begins with the structure of a single, typical cell, studies cell contents, protoplasm with the nucleus, starch grains, crystals, oil, chromatophores and aleurone grains; learns the modifications of these cells into stomata, plant hairs, fibro-vascular bundles, cork cells and various wood tissues. One recitation and ten hours laboratory work weekly required. Five hours; requires Biology courses 1 and 2.

3. *Economic Botany: DeBarry.* This is a course in the study of the structure, history and development of plants which are of economic value. Three hours.

4. *Embryology of Plants.* This is a course of lectures and laboratory work on the development of certain typical plants, from the embryo to the mature plant. The seeds of these plants are germinated and the progress of their development is carefully studied both by external observation and microscopic sections. Two hours; requires Biology courses 1 and 2.

5. *Physiology of Plants: Vines.* This course takes up the structure and functions of the various organs and tissue systems of the plant, ending with the physiology of plant reproduction. The work begins with the structure and properties of the plant cell, namely cell wall, protoplasm, nucleus, vacuole and cell cap; following this is absorption, transpiration, food of plants, metabolism, growth, irritability, both of the plant and growing parts; finally, reproduction. Five hours; requires Biology 1 and 2. This course will be offered in 1895 and 1896.

ZOOLOGY.

1. *General Morphology and Classification: Claus & Sedgewick, and Jordan's Manual of Vetebratae.* This

course takes up typical animals of the various classes, orders, genera, and species, shows their relationships, through modified appendages, organs or other structures, in order to develop the principles of classification. In the laboratory, typical vertebrate animals belonging to Pisces, Aves, and Mammalia are classified and their relationships detailed by the students. Five hours; requires Biology courses 1 and 2. Will be offered in 1895 and 1896.

2. *Histological Zoology: Schafer's Essentials of Histology.* This course begins with a series of lectures upon the construction, use and manipulation of the microscope, methods of staining, of mounting and recognition of tissues. The work begins with single cell, shown in the blood corpuscles of higher vertebrates. Comparative study is made of the corpuscles of reptiles, birds, fish and mammals. The student then learns the tissue systems, namely epithelium, areolar and adipose tissues, articular and costal cartilages, bone, muscles, nerve cells and nerve fibers. The work then passes to the grouping of these tissues into organs. Five hours; requires Biology 1 and 2. Will be offered in 1895 and 1896.

3. *Systematic and Economic Entomology: Smithsonian and Experimental Station Reports.* This is a thorough course of study upon noxious and beneficial insects, their habits, diseases, methods of protection or destruction, with a thorough course in classification of all insects obtainable. Three hours; requires Zoology 1. Will be offered in 1895 and 1896.

4. *Comparative Embryology.* This course consists of a series of lectures on general vertebrate embryology, showing essential points of resemblance in order further to develop the principles of relationship and classification. laboratory work will be done upon the embryology of the

frog, chicken, and as many other vertebrates as can possibly be obtained. Two hours; requires Biology 1 and 2.

5. *Human Physiology*: *Martin's Human Body*. A course of anatomy, physiology and hygiene of the human body. Work is supplemented with lectures and study of specimens.

GEOLOGY.

1. *Physiography*: *Ritter's Comparative Geography*, *Guiot's Physical Geography*, *Wallace's Island Life*. A study of earth forms, and the laws producing or affecting them, embracing Dynamical Geology, also the distribution of animal and plant life upon the globe, and the laws which govern it. One hour.

2. *General Geology and Paleontology*: *LeConte's Elements of Geology*. This is a thorough course in the geology of the earth, taking up dynamical, structural, and historical geology. Beginning with the agents which work now upon the face of the earth, it shows their present effect. Advancing to the structure of the earth it shows how these same agents have been at work throughout all time. Historical Geology takes up the pre-historic distribution of plant and animal life, shows the conditions which must have prevailed during their existence, explains the succession of higher and higher types from the earliest Archean times, through the Palaeozoic, Mesozoic, Cenozoic, up to the Psychozoic of present time. Five hours.

3. *Economic Geology*: *Tarr*. This is a course of research into the origin, method of deposit, and mining of the useful minerals and soils of the United States. The course is supplemented by a series of readings from United States Geological Reports. Three hours; requires Geology 2. Will be offered in 1895 and 1896.

CHEMISTRY.

1. *General Chemistry: Freer's Chemistry.* This course is meant to familiarize the student with the properties of the elements and their compounds. It consists of two recitations and ten hours laboratory work per week, through the year. Five hours.

2. *Qualitative Analysis: Douglas and Prescott's Qualitative Analysis.* It consists of three recitations and ten hours of laboratory work per week through the Sophomore year. Five hours.

3. *Quantitative Analysis: Sutton.* This course pursues the volumetric method, and is quite extensive. It consists of two recitations and ten hours laboratory work weekly throughout the year. Five hours.

4. *Organic Chemistry: Remsen, Richter.* In this course a thorough study is made of some of the carbon compounds, both theoretically and in laboratory work. The course requires two recitations weekly and ten hours laboratory work. Five hours.

PHYSICAL TRAINING.

The class work consists of both light and heavy gymnastics. Marching, dumb-bell, bar-bell, and Indian club drills constitute the greater part of the work of the Fall term. This work is continued during the Winter term. Much work is also done on the horse, on the parallel bars, and the horizontal bars; while exercises with the chest-weights and the simpler movements on the ladder and rings are occasionally given throughout the year. The individual work, especially in heavy gymnastics, is varied to meet the requirements of each student under the direction of the instructor in physical training. Tennis courts, foot-ball and base-ball grounds afford ample opportunity for out-door exercise suited to each student.

PHYSICAL EXAMINATIONS.

Before entering upon the Gymnasium practice, each student is given a physical examination to ascertain his variation from the normal form and to discover physical defects, if they exist. These examinations are conducted by a skilled physician, and furnish the data for future work in the Gymnasium. It has already been found that students enjoy better health than before the Gymnasium was erected. The examinations, after a period of gymnastic drill invariably show increase of muscular and vital force.

EXAMINATIONS, TESTIMONIALS AND DEGREES

Whenever any branch of study has been completed, students may be subjected to a rigid examination upon it, oral or written, as the instructor shall judge most suitable. No testimonial of scholarship will be given, either by the authority of the institution or by any individual instructor, except as the result of such examination or its equivalent.

Any one who shall sustain such an examination on any one or more subjects will be entitled to a certificate of the same, duly authenticated by the authorities of the institution.

The degrees of Bachelor of Arts, Bachelor of Philosophy, and Bachelor of Science will be conferred, respectively, upon students who finish satisfactorily the Classical, Philosophical, or Scientific Course. On completing the Agricultural Course, students will be encouraged to become candidates for the degree of Bachelor of Science, which they may do by remaining at the College and pursuing the studies of the Senior year in the Scientific Course.

The degree of Master of Arts will be conferred on Bachelors of Arts of Illinois College for three years' non-resident work, or one year's resident and one year's non-

resident work, in one of the following subjects: Latin, Greek, Civics, Sociology, or Philosophy. For details, apply to the professor in charge of the subject selected.

The degree of Master of Science will be conferred upon Bachelors of Science of Illinois College for three years' non-resident work, or one year's resident and one year's non-resident work in one of the following subjects: Physics, Chemistry, Botany, Zoology, or Mathematics. For details, apply to the professor in charge of the subject selected.

The degree of Doctor of Philosophy may be conferred upon graduates of this or other colleges who have been for at least two years engaged in special studies in advance of the usual course, under direction of the faculty, and who, in addition to a thorough examination in one or more related subjects shall present theses embodying the results of their own research, which shall be satisfactory to the faculty.

In order to receive any of the above degrees, it is necessary that previous to commencement, application shall be made to the President, and the sum of five dollars paid to the Treasurer. No person will be recommended to the Trustees as a candidate for any degree or testimonial unless he has first settled all dues.

LIBRARIES.

The college library has been arranged and enlarged by the gifts of liberal friends of the College. In order that the students and friends of the institution throughout the community may have access to the literary treasures that have been gathered here, the Library is regularly opened on Wednesday and Friday afternoon for the drawing of books. A certain portion of this collection, however, including works of reference, is withheld from circulation, and retained in the building for convenience and safe-keeping. The Library now contains more than ten

thousand volumes, and is well worthy of the attention of students. Advice and assistance in selecting courses of reading, which may be pursued in connection with their studies, will be given by the College Librarian to all who may desire.

In addition to the College Library, each of the literary societies has a collection of books of its own selection. The Sigma Pi Society Library comprises over two thousand volumes, and the Phi Alpha Society Library comprises seventeen hundred and thirty-five volumes. These figures do not include pamphlets, or worthless books of any sort. For the ordinary purposes of the student, these libraries are much more serviceable than the College Library, which is, to a great extent, composed of the rarer and more costly works, books of reference, scientific treatises, etc. There is also a small library, containing about three hundred volumes, devoted mainly to theological and religious literature. We have, then, the following summary of the College Libraries:

College Library.....	10,300	volumes.
Sigma Pi Library.....	2,000	“
Phi Alpha Library.....	1,735	“
Religious Library.....	300	“
Philologian Library.....	140	“

Total.....14,475

LITERARY SOCIETIES.

The students sustain three Literary Societies, which, for the effective and thorough training which they furnish in debate, in the expression of thought and in parliamentary usage, are exceptionally excellent. They are not expensive organizations for good fellowship and conviviality, but are conducted solely with a view to giving their members valuable training in debate and other literary exercises.

Regular attendance and the prompt performance of duties are secured to a much greater degree than is usual in such organizations. They are entirely free from all indebtedness, and the dues of each member vary from one to two dollars a year. These societies—the Phi Alpha Society, the Sigma Society and the Philologian Societies—hold their meetings on Friday evenings, and students of Illinois College or Whipple Academy are eligible to membership. Each of the societies has a library—of which mention has been made above—and a commodious hall, tastefully furnished and devoted entirely to its use.

RELIGIOUS EXERCISES.

The institution is conducted as a Christian College. In the instruction of youth, those minor matters on which good men differ are not made subjects of discussion; but the faculty consider the great characteristic doctrines of Christianity as fundamental in morals, as the law of gravitation in physical science. These doctrines will be so treated on all occasions. Parents may rest assured that instructors will labor to cultivate not only scholarly tastes, but also Christian character in those committed to their care.

Daily religious exercises, consisting of reading the Scriptures, singing and prayer, at which some member of the faculty officiates, are held in the College Chapel. All students living on the college premises, and all other students whose duties require them to be at any college exercises during the hour immediately preceding or following prayers, are required to attend these exercises.

THE CHRISTIAN ASSOCIATION

of faculty and students was organized in 1882. In 1884 a large room in Sturtevant Hall was devoted to the uses of the association, carpeted and neatly furnished. Here, under the charge of students, are held, on Sunday and

during the week, various meetings for conference, prayer, missionary inquiry, and bible study. The influence of the association upon the religious life of the institution is most beneficent.

DISCIPLINE AND GENERAL RULES.

In case of deficiency in scholarship, negligence in study, irregularity in attendance upon the exercises of the institution, or improper conduct, the student will be promptly admonished, and his parent or guardian informed of the fact. It is the object of this arrangement to keep parents and guardians accurately informed with regard to their sons and wards in the institution, and thus to secure their co-operation with the faculty in a mild system of discipline. Whenever it is ascertained that a student is deriving no advantage from his connection with the institution, or is pursuing a course injurious to himself or fellow-students, his parent or guardian will be promptly addressed on the subject, and requested to remove him from the institution.

Regularity in attendance upon college exercises is regarded as absolutely essential to the progress of the student, and visits at home, or elsewhere, which break in upon such duties, should be avoided as much as possible. Previous permission from the class officer in case of leaving the town will be insisted upon.

Students once entered are considered members of the college until graduated or regularly dismissed, and are therefore required to be present on the first day of each term, unless excused by the faculty.

Special attention is called to the following rules:

I. No student shall be considered a member of any college class who is deficient in a greater amount of work than is regularly finished in one college year, at the rate of one recitation per day.

II. For making up conditions, a student shall be allowed a definite period, to be fixed by the instructor, not exceeding two terms, the summer vacation counting as one term. But any student who enters college with the maximum number of conditions (see Rule I.) may be allowed until the first day of the first term of the next college year to remove them.

III. If any condition be not removed at the end of the allotted time, the student shall be required to take the study with a class, at the earliest opportunity, and such a study shall take the precedence of all other work. Failure to comply with this rule shall forfeit the student's membership in his class.

IV. Students who have lost standing in any class in accordance with Rule III. will not be allowed to pursue further studies with that class except for special reasons, and by unanimous vote of the faculty.

V. Students will not be allowed to take more than the usual number of studies, or be passed in any study by examination alone, except for special reasons, and by vote of the faculty.

DIVISION OF THE YEAR.

The college year is divided into three terms, as follows:

The **FIRST TERM** begins on the second Thursday in September, and ends on the Friday before Christmas.

The Christmas recess begins on the day after the First Term closes, and continues about two weeks.

The **SECOND TERM** begins on the Tuesday after New Year's day, and continues about eleven weeks.

The **THIRD TERM** begins at the close of the Second Term, and continues till **COMMENCEMENT**, which occurs on the second Thursday in June.

The **SUMMER VACATION** extends from Commencement to the second Tuesday in September.

EXPENSES.

The charges payable to the College Treasurer are as follows:

Tuition for First Term.....	\$21.00
“ “ Second Term.....	16.00
“ “ Third Term.....	13.00

The above figures include all regular charges. There are no incidental expenses except for materials actually used in laboratory work.

Room Rent in Crampton Hall, First Term.....	\$10.00
“ “ “ “ Second Term.....	10.00
“ “ “ “ Third Term.....	8.00

The charge for room rent includes fuel, as Crampton Hall is heated by steam.

Tuition and room rent will be collected by the term. No smaller division of the year will be recognized. For private examinations a special fee of two dollars is charged.

Each student occupying rooms in Crampton Hall is required to deposit with the Treasurer five dollars, at the beginning of each term, to be applied by him to the payment of gas bills and damages during the term. Any money not so applied will be returned to the student at the close of the term, or at such time as the student may have leave of absence for the remainder of the term.

Students vacating rooms for any cause are required to remove their furniture within one week.

Crampton Hall is lighted with gas, each room being supplied with a meter, so that its occupants pay for exactly what they consume. The expense for gas for each student averages twenty cents per week.

Payment is required in advance for each term, but not with the intention of excluding any worthy student who is really unable to comply with this regulation. If any student is unable to pay in advance, he will call immediately upon the President, state his case to him, and obtain

from him a permission to the Bursar to grant such indulgence as the case may seem to require. On receiving such permission, the Bursar may settle with the student in accordance therewith, and grant him the certificate necessary to admit him to recitation.

BOARD.

Students may obtain board at the College Commons. This is well supplied by the college with all the necessary table and other furniture, and the students obtain good board at its actual cost. The price of board is estimated at \$2.40 per week. The cost of board in private families, with furnished room, per week, is from \$3.50 to \$4.50. It will thus be seen that the entire

ANNUAL COLLEGE EXPENSES

of a student who rooms in Crampton Hall are as follows:

Tuition.....	\$50.00
Room Rent.....	28.00
Light.....	7.40
Board.....	88.80
Text Books and Society Fees, average.....	15.00
Total.....	\$189.20

Of other personal expenses, as for washing, clothing and traveling, no estimate can be made. These depend upon the tastes, habits and economy of the student.

IN CRAMPTON HALL

the annual expense has been reduced to a rate so low as to bring a thorough collegiate education within the reach of any young man of ability and energy. The accommodations are far superior to those of ordinary college dormitories. Each suite of rooms, consisting of a study room fifteen feet square, and a bedroom eight by twelve, is occupied by two students. The study room is

furnished with a large study table, and the bedroom with a double woven wire mattress bed, as permanent articles of furniture. Other articles of furniture, such as chairs, washstands with appurtenances, and bedding, are furnished by the students themselves at light expense, especially as in many cases they may be brought from home.

Choice of rooms is given by seniority to the College classes, and subsequently to students of Whipple Academy, in the order of application; provided, that if any benefactor of the college has a memorial room in the building, he is entitled to locate his son or near relative in such room. Application for such places should always be made in advance, that the rooms may be reserved. Early application should be made by those wishing to secure rooms in Crampton Hall, as the building is usually full at the opening of the college year. A deposit of two dollars is required of each student in order to secure a room, and the same is deducted from the rent of the following term; but is forfeited in case the room is not occupied by such student.

THE NEW GYMNASIUM.

Through the generosity of past and present students and other friends of the institution, a large and tasteful building, carefully designed for gymnasium uses, has just been erected and equipped at a cost of over twenty thousand dollars. Facilities unequalled at present by those of any other college gymnasium in the state can now be offered. Regular exercise will be prescribed and directed by a competent instructor. No student's health is properly guarded, no education is complete without wise physical training. Its aim is to reveal and remedy individual weaknesses, to increase vigor and to secure a bodily reserve for the mental strain of life. To the gymnasium many attractions will be added to make a popular yet safe resort

in leisure hours. Among other features will be a memorial room for pictures and relics connected with the history of the college. A collection of these is begun, and its growth in size and interest will depend upon the active co-operation of students and alumni.

SCHOLARSHIPS.

The trustees would call the attention of young men of limited means to the following statement of scholarships, founded by benevolent individuals:

The HUBBARD SCHOLARSHIP, entitling one student to enjoy the privileges of the institution free of charges.

The ELLIS SCHOLARSHIPS, securing a like privilege to two students, and paying part of the bills of a third.

The BARSTOW SCHOLARSHIP, the WOLCOTT SCHOLARSHIP, and the HOLMES SCHOLARSHIP, each securing the privileges of the of the institution to one student.

The ABEL SCHOLARSHIPS, offering free tuition to two students preparing for the ministry.

All these funds are designed by their generous founders to aid young men of promising talents in obtaining a thorough classical education at the college. None will be permitted, in any case, to enjoy the benefits of them who are not of good moral character, of decidedly promising talents and attainments, and in such circumstances as to need aid in defraying the expenses of their education; nor any who belong to secret societies, or use tobacco, or who do not comply with the regulations of the institution. Incumbents falling below an average grade of 80 per cent. or below 70 per cent. in any study, will forfeit their scholarships. An honorable dismissal will not be given to any holder of a scholarship until he has either completed the course of study required for the degree of Bachelor

of Arts, or has refunded whatever he has received from his scholarship, with interest. But if he honorably completes the course of study, he is released from all obligations to refund what he has received.

PRIZES.

A fund of two hundred and fifty dollars has been given to the College by Mr. H. H. HALL, of Jacksonville, the annual income of which will constitute a first prize of ten dollars and a second prize of seven dollars for orations by members of the Junior class.

A fund of one thousand dollars has been given by Mr. THOMAS SMITH, of Hartford, Conn., the income of which, for the coming year, will be applied as follows:

A first prize of fifteen dollars and a second of ten dollars, for declamations of English prose by members of the Freshman class.

A first prize of ten dollars and a second of five dollars, for English compositions by members of the Sophomore class.

A prize of fifteen dollars for the best standing in the mathematics of the Freshman year.

It is expected that the HALL PRIZES and the SMITH PRIZES will be expended for books subject to the approval of the faculty.

A prize of twenty-five dollars has been founded by Rev. W. E. Catlin, of the class of 1845, and named the IRELAND PRIZE, in honor of his classmate, the Rev. Wm. Ireland. It will be awarded annually to that member of the Senior class who presents the best paper on some subject in connection with the department of mental and moral philosophy.

Donors, who wish their names withheld, have established a first prize of twenty-five dollars, and a second prize of fifteen dollars, for the best and second best

summary of the doctrines taught in the course of philosophical lectures for the current year by Professor Hiram K. Jones.

The above named prizes are offered each year to the several classes. The faculty is authorized, however, to withhold the prizes in any instance in which reasonable competition is not manifested by the members of the class entitled to compete.

No student will be allowed to compete for a prize in studies which he does not pursue with his class at the regular time.

SCHOLARSHIP PRIZES.

Illinois College offers the following scholarship prizes for the ensuing year, to be awarded at the examination for admission, September 10 and 11, 1895:

1. A scholarship prize of forty-five dollars (\$45.00) to the student who shall obtain at the examination for admission the highest average in all the subjects required for admission to the Freshman class in the Classical course of study.

2. A scholarship prize of forty-five dollars (\$45.00) to the student who shall obtain the highest average in all the subjects required for admission to the Freshman class in the Philosophical course of study.

3. A scholarship prize of forty-five dollars (\$45.00) to the student who shall obtain the highest average in all the subjects required for admission to the Freshman class in the Scientific course of study.

4. A scholarship prize of fifteen dollars (\$15.00) to the student who shall pass the best examination in the English required for admission to the Freshman class.

5. A scholarship prize of fifteen dollars (\$15.00) to the student who shall pass the best examination in the Mathematics required for admission to the Freshman class.

6. A scholarship prize of fifteen dollars (\$15.00) to the student who shall pass the best examination in the Latin required for admission to the Freshman class in the Classical and Philosophical courses.

7. A scholarship prize of fifteen dollars (\$15.00) to the student who shall pass the best examination in the Greek required for admission to the Freshman class.

8. A scholarship prize of fifteen dollars (\$15.00) to the student who shall pass the best examination in the Natural Science required for admission to the Freshman class.

SPECIAL PRIZE.

In order to emphasize the importance of a college training and direct attention to its value, a friend of higher education authorizes the offer of a prize of \$25.00 for the best essay on "The Value of a College Education." All essays in competition for this prize must be sent to the President of Illinois College on or before September 1, 1895. The committee of award will consist of three persons selected from the faculty of Illinois College, and their decision will be announced about October 1, 1895. The writer of each essay submitted must be a member of the senior (graduating) class of a high school during the school year 1894-95, and at the time of the award must be a student in Illinois College or Whipple Academy.

Each essay should be limited to 1500 words, and should be signed with a fictitious signature and accompanied by a sealed envelope containing the writer's name and the name of the school which he attended during the year 1894-95. The prize will be paid in money as soon as the award is determined.

It is hoped that this prize will help to promote a closer relation between the college and the secondary schools.

APPOINTMENTS FOR COMMENCEMENT.

JUNE 14TH, 1894.

Edwin George Baldwin, <i>Valedictory</i> , Philosophical Oration.....	Mendon, Ill.
David Waddell Frackelton, <i>Salutatory</i> , High Oration,	Petersburg, Ill.
John Andrew Barber, <i>High Oration</i>	Cantrall, Ill.
Charles Francis Wemple, <i>High Oration</i>	Waverly, Ill.

PRIZES AWARDED SINCE THE PUBLICATION
OF THE LAST CATALOGUE.

JUNIOR EXHIBITION—HALL PRIZES.

Orations—

- 1st Prize—Eo Briggs Nash, '95.
2d Prize—Thomas Henry Buckthorpe, '95.

SMITH PRIZES.

Composition—

- 1st Prize—Albin Charles DeMary, '96.
2d Prize—Arthur Boyce Fairbank, '96.

Declamation—

- 1st Prize—Edward Clinton Kreider, '97.
2d Prize—Samuel Wallace Baxter, '97.

Mathematics—

Edward Bingham Kirk, '97.

IRELAND PRIZE.

Charles Francis Wemple, '94.

PHILOSOPHY PRIZE.

Edwin George Baldwin, '94.

WHIPPLE ACADEMY.

Under the direction and management of the trustees of Illinois College, but maintained as a separate and distinct institution, Whipple Academy offers superior advantages in preparation for college, or training in English branches.

COURSES OF STUDY.

The following courses are maintained:

I. College Preparatory Courses: Classical, Philosophical, and Scientific.

II. An Elective Course, for those not wishing to prepare for college, but desiring a thorough drill in special subjects of their own choice.

III. An English Course, affording a careful training for the College Preparatory courses, with classes also especially adapted to those desiring a good common school education, and those preparing to teach.

I. THE COLLEGE PREPARATORY COURSES.—These courses are designed to afford a complete preparation for the best colleges.

1. THE CLASSICAL COURSE.—This course covers three years, and includes a thorough training in Latin and Greek; Higher English, including Rhetoric, and a careful study of a few English and American Classics; Mathematics, including Higher Arithmetic, elementary and advanced Algebra, and Plane Geometry; Botany, and Ancient History.

2. THE PHILOSOPHICAL COURSE.—This course covers three years, and includes the same work as the Classical Course in Latin, Higher English, Ancient History, and Mathematics; and gives, in the place of Greek, work in elementary science, including Botany, Zoology, Physics with laboratory work, Physiology; and a year's study of German.

3. THE SCIENTIFIC COURSE.—This course covers two years, and includes Algebra, Geometry, Rhetoric, studies in English and American Literature; one year of German or Latin; Physics with laboratory work, Physiology, Botany, Zoology, and Ancient History.

II. THE ELECTIVE COURSE.—Students not wishing to prepare for college are allowed to select such studies as they desire from the regular courses, and receive the diploma of the Academy after completing the equivalent of two years of work above the common branches. This course meets the wants of a large class of young men who wish to prepare themselves thoroughly to begin the study some special profession, or to get ready for teaching or for of business, but who have not the time or the means for a college education.

A COURSE SPECIALLY ARRANGED FOR TEACHERS.—Classes will be arranged each term for the benefit of teachers who wish to review their studies, and to prepare for examinations for first or second grade certificates. In the Winter and Spring terms a class will be formed for the study of Pedagogy, in which special attention will be given to the illustration and discussion of the best methods of teaching and discipline. Compayre's History of Pedagogy and Compayre's Lectures on Teaching will be used as text-books, and supplemented by lectures, by suggested collateral reading, and by class discussions.

III. THE ENGLISH COURSE.—Experience shows that many students fail in their preparatory or college work because of insufficient knowledge of the elementary branches. These subjects are poorly taught in many schools, and boys of thirteen years old and upwards frequently attend their home schools for years without making much progress. Many persons have sent such pupils to Whipple Academy, and have been pleased with the work done here. Besides these, many young men, whose early

opportunities have been slight, wish a more rapid and thorough review of the English branches than they can get in the common schools. Many students are prepared to take advanced work in some studies, but need to review one or two of the elementary branches.

For the accommodation of all of these persons, the Academy offers one or more classes each term in the following subjects: Arithmetic, English Grammar, Geography, United States History, Civil Government, Reading, with frequent compositions, Spelling and Penmanship. Business Correspondence and Bookkeeping are also taught without extra charge.

The courses of study in the Academy have been greatly extended, and it is believed that there is now offered an arrangement of studies and a choice of courses equal to those of the best secondary schools in the country. The work in Greek and Latin is up to the highest standard. More than usual attention is paid to Higher English, ample time is given for a thorough mastery of the necessary branches of Mathematics, provision is made for a good foundation for future work in Science, and a year's work in German is added. In addition to the valuable drill afforded by the Academy literary society, regular training is given in composition and declamation throughout the entire course.

Boys under thirteen years old are not admitted to the Academy except by special arrangement with the Principal. Students are assigned to such classes as they are found, by careful examination, to be best fitted for. Testimonials of character and standing in the last school are desired, and when these are clear and satisfactory, no examination will be required; but students thus admitted will be regarded as on trial, and may be dropped at any time from classes in which they do not perform satisfactory work.

OUTLINE OF COURSES OF STUDY.

ENGLISH COURSES.

Regular.	Special.	Teachers'.
FALL TERM.		
Arithmetic.	Arithmetic.	Advanced Arithmetic.
English Grammar.	English Grammar.	Advanced Grammar.
U. S. History.	U. S. History.	Physiology.
Penmanship.	Penmanship.	Penmanship.
WINTER TERM.		
Arithmetic.	Arithmetic.	U. S. History & Geography.
English Grammar.	English Grammar.	Zoology.
U. S. History & Geography.	Bookkeeping.	Physics.
Penmanship.	Penmanship.	Pedagogy.
SPRING TERM.		
Advanced Arithmetic.	Advanced Arithmetic	Advanced Grammar.
Advanced Grammar	or	or
or	Advanced Grammar.	Ancient History.
Latin Lessons.	Civil Government.	Botany.
Civil Government.	Bookkeeping.	Physics.
Penmanship.	Penmanship.	Pedagogy.

One hour a week through the year in Composition and English Literature is required of all students.

Certificates of honor will be given to all who pass with a grade of at least 85 per cent. in all the studies of any of these courses.

PREPARATORY COURSES.

Classical Course.	Philosophical Course.	Scientific Course.
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JUNIOR YEAR.

FALL TERM.		
Latin Lessons.	Latin Lessons.	Physiology,
Algebra.	Algebra.	Algebra.
Elementary Rhetoric.	Elementary Rhetoric.	Elementary Rhetoric.
WINTER TERM.		
Latin Lessons.	Latin Lessons.	Physics.
Algebra.	Algebra.	Algebra.
English Literature.	English Literature.	English Literature.

SPRING TERM.

Latin: Cæsar.	Latin: Cæsar.	Botany.
History: Eastern Nations and Greece.	History: Eastern Nations and Greece.	History: Eastern Nations and Greece.
Botany.	Botany.	Physics.

One hour a week in Composition and English Literature is required of all students through the Spring term.

MIDDLE YEAR.

FALL TERM.

Latin: Cæsar and Composition.	Latin: Cæsar and Composition.	The Scientific Course is finished in two years. See Senior Year.
Roman History.	Roman History.	
Greek Lessons.	Physiology.	

WINTER TERM.

Latin: Cicero and Composition.	Latin: Cicero and Composition.
Geometry.	Geometry.
Greek Lessons & Anabasis.	Physics.

SPRING TERM.

Latin: Cicero and Composition.	Latin: Cicero and Composition.
Geometry.	Geometry.
Greek: Anabasis and Composition.	Physics.

One hour a week in Composition and English Literature is required of all students through the year.

SENIOR YEAR.

FALL TERM.

Latin: Vergil.	Latin: Vergil.	Latin or German.
Greek: Anabasis and Composition.	German.	Roman History.
Advanced Algebra.	Advanced Algebra.	Advanced Algebra.

WINTER TERM.

Latin: Vergil.	Latin: Vergil.	Latin or German.
Greek: Homer's Iliad.	German.	Geometry.
Greek History and Classical Geography.	Zoology.	Zoology.

SPRING TERM.

Latin: Cicero and Composition.	Latin: Cicero and Composition.	Latin or German.
Greek: Homer's Iliad.	German.	Geometry.
Advanced Algebra.	Advanced Algebra.	Advanced Algebra.

One hour a week in Declamation and Composition is required of all students through the year, and an essay each term for the Fall and Winter terms,

Scope and Methods of Instruction.

The following statements are made to explain the scope and methods of instruction in the various subjects of study:

GREEK.

The study of Greek is begun in the Middle year and continues two years. In the first year White's Beginner's Greek Book is used, the first two terms being devoted to thorough drill in forms, vocabularies, and simple syntax, accompanied by daily practice in oral and written translation from Greek into English and English into Greek. In the third term Book I of Xenophon's Anabasis, as contained in White's Book, is read and reviewed with daily exercises in Prose Composition (Woodruff) and special attention to irregular verbs and syntax.

In the Senior year Books II., III. and IV. of the Anabasis (Kelsey) are read and carefully reviewed with a continuation of the work in Woodruff's Composition. This work which occupies the first term and a few weeks of the second is followed by the reading of three books of Homer's Iliad (Seymour) with study of Homeric forms, scansion and mythology.

PEDAGOGY.

A course in Pedagogy is offered to students of the Teachers' course continuing through the Winter and Spring terms. It aims to give a knowledge of the history of education, of the lives and methods of noted educators, of mental processes and the laws relating to mental growth and the development of mental power, and to assist in the

formation of just opinions on theories and methods of teaching, and of school management. Compayre's History of Pedagogy and Compayre's Lectures on Teaching will be used as text-books, and these will be supplemented by lectures, by suggested collateral reading, and by class discussions of methods of teaching and systems of education.

BIBLE STUDY.

The courses of study in the English Bible offered to College students are open to mature students of the Academy, and these are not only permitted to take up the work but advised to do so. The course aims to give a good general knowledge of the character and contents of the Scriptures, using the Bible as a text-book, and supplementing it by lectures and suggested collateral reading. The course in 1895-96 will be in Old Testament History, from the Creation to the Division of the Jewish Kingdom. One hour a week through the Fall and Winter terms.

ANCIENT HISTORY.

In the Spring term of the Junior year, Myers's Eastern Nations and Greece is studied; in the Fall term of the Middle year, Allen's Short History of the Roman People; and in the Winter term of the Senior year, Wilkin's Roman Antiquities, Mahaffy's Old Greek Life, and Tozer's Classical Geography.

The object of the course is to prepare the student for the study of Mediæval and Modern History, and to furnish a basis for the study of Political Economy and Constitutional Development. In addition to the work of the text-book, lectures are given, and other reading suggested, and topics assigned for special study and investigation.

LATIN.

The course in Latin extends over three years, and aims to give the student a thorough knowledge of forms, syn-

tax and prosody, and accuracy and facility of translation. While the course is arranged primarily with a view to fitting students for Illinois College, it is believed that the work is sufficiently thorough and the course sufficiently extensive to insure admission to any American college.

In the first year, two terms are given to the study of Etymology, Tuell and Fowler's First Latin book being the text-book. Free use is made of blackboards, and the progress of the students tested by frequent written examinations. In the Spring term, Cæsar is begun, the class using Johnston's revision of Lowe and Ewing's Cæsar, studying the introduction, and reading thirty chapters of Book I., and all of Book II. In connection with this there is daily practice in writing Latin, using Rigg's Prose Composition, and a thorough study of all grammatical references, using Allen & Greenough's Grammar.

In the second year, Cæsar is continued, the class reading Books III. and IV. and reviewing the whole. Prose Composition is kept up, and the First Latin Book is thoroughly reviewed. In the Winter term Cicero is begun, the class using Johnston's Cicero, and the four orations against Catiline are read. In the Spring term two other orations of Cicero are read.

In the third year, Vergil occupies the first two terms, six books being read and reviewed. Careful attention is given to scanning, and to the explanation of grammatical, mythological, and historical references. Greenough's Vergil and Whiton's Auxilia Vergiliana are the text-books used. In the Spring term two more of Cicero's orations are read.

The course thus includes a very thorough drill in Latin Grammar and Composition, four books of Cæsar, eight orations of Cicero and six books of Vergil.

MATHEMATICS AND PHYSICS.

1. *Elementary Algebra: Collin's Text Book of Algebra.* This work is aimed to carry the pupil through quadratics, in an elementary way, and to so familiarize him with the mechanical processes that he can do them with ease, and thus be ready for the deeper study of advanced algebra. Fall and Winter terms.

2. *Advanced Algebra: Jones's Drill Book in Algebra.* This course is meant to fit the student for good, thorough work in college. It goes to the root of the subject, and at the same time gives ability to solve all problems likely to arise. The work is entirely modern. Fall and Spring terms.

3. *Plane Geometry: Du Puis's Synthetic Geometry.* This subject is treated from the modern "synthetic" standpoint. It is a valuable combination of reasoning and a study of the elementary properties of space. Winter and Spring terms.

4. *Elementary Physics: Carhart and Chute.* This course is a combination of lectures, problems, and laboratory work, mainly the latter. The experiments are all *quantitative* in character. They are designed to furnish an experimental basis for the laws and facts of physics. The work requires a great deal of laboratory time and writing up of notes. Winter and Spring terms.

GERMAN.

The aim of this course in German is to enable the student to read at sight simple prose, and to afford him considerable familiarity with the forms and vocabulary of ordinary conversation.

FALL TERM:—The work of this term is based largely upon Fischer's Essentials of German. Accompanying the study of syntax is daily practice in oral and written

translation from English into German. The student is accustomed to the sound of the German, and is required to give the utmost attention to securing a correct pronunciation. The reading of simple selections from Whitney's Introductory German Reader is early introduced, together with the memorizing of short stories and poems. The formal study of the grammar is continued through the term, during which the elements of etymology and syntax are acquired.

WINTER TERM:—The reading and translation of the more advanced portions of Whitney's Reader occupy a large part of this term. The work of acquiring a vocabulary is emphasized. Facility in translation from English into German is sought by the use of passages based upon the subject matter of the Reader. Students are also expected to reply to simple questions in short, correct German sentences.

SPRING TERM:—The general character of this term's work is similar to that of the preceding. Increasing stress is laid upon the acquiring of facility in conversation, and the use of English in the classroom is gradually supplanted by German. Selections from the prose of modern writers are read.

NATURAL SCIENCES.

Physiology Walker's Physiology is used as a text-book, supplemented by the study of the skeleton and charts, by such demonstrations and dissections as are practicable, and by lectures and suggested outside reading. Fall term.

Zoology. Colton's Practical Zoology and Packard's Briefer Course are the text-books used. In addition to the text-book work, typical forms are taken up for special study, and students are taught to observe and study the object itself. Winter term.

Botany. Gray's School and Field Book of Botany is used. The work takes up the structure and forms of plants, and leads up to the system of classification. Each student collects, mounts and classifies sixty species of plants, including all the simpler orders as far as Compositæ.

ENGLISH LITERATURE, RHETORIC AND ELOCUTION.

COURSES 1, 2, 3.

English Class. One hour a week through the year. In this year it is designed, by readings and weekly compositions, to give a general introduction to Literature by acquainting the students with the subjects and the history of some of the masterpieces of Classical and English Literature, and the following books in Ginn & Co.'s Classics for Children are to be read outside the class: Kingsley's *Greek Heroes*, Lamb's *Tales from Shakespeare*, Hale's *Arabian Nights*, Scott's *Tales of a Grandfather*, Hughes' *Tom Brown at Rugby*. At the weekly exercise the student recites the story of the passage assigned, and writes an abstract of it.

COURSES 4 AND 5.

Junior Class. Rhetoric. Five hours a week. Fall and Winter terms

In this course the elementary principles of Rhetoric are studied, and practical application of them is made in frequent exercises in composition.

Along with the work in Rhetoric the class studies American Literature, giving about two weeks each to the following writers: Irving, Longfellow, Whittier, Bryant, Hawthorne, Holmes, Lowell and Emerson.

COURSE 6.

Junior Class: American Literature. One hour a week. Spring term.

This is a continuation of courses 4 and 5. Other American authors are studied and weekly recitations and compositions are required from the class.

The text-books used during the year are: Genung's *Practical Rhetoric*, and selections from cheap editions of the authors studied.

COURSES 7, 8 AND 9.

Middle Class: English Literature. One hour a week throughout the year.

By means of informal lectures and some text-book study, the history of English Literature is traced from the Norman Conquest to the present day. Considerable reading outside the class is required, supplementing the lectures and text-books. Frequent written tests or examinations are given, covering both lectures and readings.

Text-books: Brooke's *Primer of English Literature*, and Syle's *From Milton to Tennyson*.

COURSES 10 AND 11.

Senior Class. Declamation one hour a week through Fall and Winter terms. This course attempts to introduce the student to the principles of easy and correct speaking. Each member of the class receives private drill in the preparation of declamations, which are then delivered before the class. Eight representatives are chosen from the class at the end of the course to compete for the Whipple Declamation prizes.

COURSE 12.

Senior Class: Composition. One hour a week, Spring term.

The work of this course consists of weekly exercises in original composition, prepared outside the class, criticised and corrected, and discussed with the class. Newcomer's *English Composition*. For this work the Smith prize of \$10 is awarded.

ENGLISH COURSES.

Arithmetic: Wentworth's Grammar School Arithmetic, Wentworth and Hill's Problems. The work in this branch, denoted Advanced Arithmetic and offered to teachers in the Fall term, will be a thorough practical review of the whole subject. Students in the English courses proper will spend the Fall and Winter terms in going over the subject with a text book; the Spring term will be devoted to a review of the whole subject, using a manual of problems as a basis.

Grammar: Hyde's Advanced Lessons in English. In the English courses the Fall and Winter terms will be given to text-book work on Orthography, Etymology, and Syntax. The Spring term's work will be a complete review of all the previous work, with especial emphasis on syntax and the general structure of the language. In the Fall term teachers will be offered the complete course covered by the English students in the whole year, and the same again in the Spring term.

United States History: Montgomery's American History. A thorough text-book will furnish a basis of facts, to be supplemented by reference to short works on special topics, and by papers written and presented to the class by the instructor, discussing the political and industrial history of the country. The work in the Winter term will be a thorough review, and is also offered to those who have studied the subject and wish a review preparatory to teaching.

Geography: One hour per week during the Winter term, a review, using any text-book.

Civil Government: Macy's Our Government. A description of town, city, county, state, national governments; also a brief historical outline of their growth, to

be filled in by a limited amount of supplementary reference work. Especial attention will be paid to the civil government of Illinois.

Bookkeeping. Gay's Business Bookkeeping. A short course in single entry followed by double entry. The aim in this department is to furnish the theoretical and practical knowledge of the subject necessary to manage the books of any ordinary mercantile business.

Penmanship: A class in practical penmanship will be taught from four to seven weeks each term.

Beginning Latin: Tuell and Fowler's Latin Lessons. In the Spring term Latin may be begun by such students as wish to take up the preparatory courses the following Fall. This work of one term will be a great help in mastering the rudiments of Latin taught in the Junior year.

PHYSICAL CULTURE.

Young men engaged in study need regular and systematic physical training, and the Academy is now better equipped in this respect than any other institution in the state

Students in the Academy have access to the new gymnasium of the College at stated times, and have regular training there daily under a competent instructor. The bath rooms are also at their disposal under certain regulations.

Tennis courts, foot-ball and base-ball grounds afford ample opportunity for outdoor exercise suited to each student.

ANNIVERSARY EXERCISES.

The anniversary exercises of the Academy are held on Monday of Commencement week.

Certificates of graduation are given to all who complete the regular courses of the Academy. These certificates entitle the holder to enter the Freshman class of Illinois College without further examination.

Certificates of graduation are also given to all who, following an elective course, have passed in 18 units of work above the common branches, a term's work in a regular study of any of the courses counting as a unit. These certificates do not admit to the College. A charge of two dollars is made for graduation.

The graduating exercises consist of essays delivered *ex memoria*, and declamations. The class is generally too large for all to take part, and eight students are appointed to represent the class. The appointments are made by the faculty, who take into consideration: 1st, general proficiency in the studies pursued; 2d, special proficiency in rhetoric and elocution; 3d, gentlemanly conduct throughout the course.

The following appointments have been made for 1894:

William Richard Blackburn.	Eugene Edward Hinrichsen
Arthur Travis Brittin.	Harry Nathaniel Kirby.
Myron Leslie Epler.	William Walter Moore.
Mendel Garbutt Frampton.	Frederic Chauncy Tanner.

PRIZES.

During the year 1895-96, prizes will be offered as follows:

To the Senior class, in all courses: The WHIPPLE PRIZES for declamation; 1st prize, ten dollars; 2d prize, seven dollars. To the Senior class: The SMITH PRIZE of fifteen dollars, for the best essays and work in composition during the year.

Through the generosity of Mr. CHARLES CATLIN, a prize of ten dollars is offered to members of the Middle class, Classical course, for the best standing in Greek of the year.

All prizes are awarded in books, chosen by the successful student and approved by the Principal.

PRIZES AWARDED SINCE THE PUBLICATION OF THE LAST CATALOGUE.

WHIPPLE PRIZES, 1895.

1st Prize—Harry A. Dow,	Pittsfield.
2d Prize—Frank H. Burgess,	Mendon.

SMITH PRIZE, 1894.

Fred O. Philbrook,	Forrest.
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LITERARY SOCIETY.

The Academy students maintain an excellent literary society, the Philologian, which meets on Friday evening of each alternate week. It is open to all students over fifteen years of age, and affords effective and thorough training in declamation, essay-writing, debate, and parliamentary usage.

EXPENSES.

TUITION.—The charges for tuition in the Academy are as follows:

Fall Term.....	\$18.00
Winter Term	15.00
Spring Term.....	12.00

This charge includes tuition, incidentals, gymnasium, baths, laboratories, etc. There are no extra charges of any kind.

Term bills are due on the first day of each term. Students entering after the middle of a term will be charged for but half a term. No fees will be refunded except in case of sickness. In this event the student will procure from a physician a certificate of his inability to remain in school, when half the amount paid will be refunded, if application is made before the middle of the term.

ROOMS AND BOARD.—In order to reduce expenses, and bring a good education within the reach of any young man of ability and energy, Crampton Hall was built in 1874. It will accommodate fifty students. The accommodations are far superior to those of ordinary dormitories. The rooms are large, well lighted, heated by steam, and provided with gas for lighting. The rooms are carefully inspected every month, and kept in good order. Two of the instructors have rooms in the Hall, and it is managed so as to make this an attractive home for young men. The rooms are rented at a cost just sufficient to cover fuel and repairs.

Each suite of rooms consists of a study room fifteen feet square, and a bedroom fifteen by eight, and is occupied by two students. The study room is furnished with a large study table, and the bedroom with a woven wire mattress bed. Other articles of furniture may be brought from home or may be purchased in Jacksonville.

A list of articles needed to furnish the rooms has been prepared, and will be sent on application.

Each student should have a Bible and a good dictionary; and it is desirable that he be provided with such papers or other reading matter as shall be profitable and appropriate for Sunday.

Room rent for First term, \$10; Second term, \$10; Third term, \$8.

The rooms are generally all engaged by the opening of school, and it is best to secure a room as early as possible. A deposit of two dollars sent to the Principal will secure a room, and the two dollars will be credited on the rent for the term, but will be forfeited in case the person does not occupy the room. Students rooming in Crampton Hall board at the College Commons. Here an excellent table is kept up, and the students pay only the actual cost, which is about \$2.40 per week.

Many of our students take furnished rooms near the Academy, paying from 75 cents to \$1.25 per week, and take their meals at the club.

The Principal will aid students in finding pleasant and economical boarding places. Board and furnished room in private families cost from \$3.50 to \$5.00 per week.

AID TO STUDENTS.

To aid worthy students in obtaining an education, the WHIPPLE SCHOLARSHIP and the BISHOP SCHOLARSHIP have been founded, each paying the tuition and incidental expenses of one student.

A limited number of students not able to pay the full charge for tuition can have such a reduction as may be considered necessary.

Aid will be withdrawn from any student who does not maintain an average grade in all his studies of at least 80 per cent., or who falls below 70 per cent. in any study.

Students admitted free of tuition, who leave before completing the full course, are expected to pay the tuition for the time they are in the Academy.

Besides the direct aid afforded, the Principal will be glad to assist in finding remunerative employment for those who wish it. Every year some of the best students find work, either at the Academy or in some of the homes of Jacksonville, by means of which they materially aid themselves in securing an education.

REGULATIONS.

Academy students are required to attend morning prayers.

Careful records are kept of the attendance and scholarship of students, and reports are sent to parents at the close of each term. Satisfactory excuses must be given for all absences.

In order to continue in a class, a grade of not less than 60 per cent. is required. If a student does not maintain this grade, he will be admonished; and if, after due trial, he is still unable to do the work, he will be dropped from the class.

No student will be allowed to remain in the Academy who does not give evidence of diligent study, or who is unwilling to yield a cheerful obedience to the regulations of the institution.

Students not residents of Jacksonville are not allowed to leave the city at any time without permission previously obtained from the Principal.

The use of tobacco by students of the Academy is strongly discouraged, and at the request of parents will be strictly prohibited in the case of their sons.

Recitations are conducted from 8:15 A. M. to 3:30 P. M., in separate recitation rooms. The Academy Study Hall, a pleasant and commodious room, is used for study and assistance in the preparation of lessons. An instructor is always in charge, who gives his whole attention to individual instruction and explanation. This has proved a valuable feature of the work of the Academy, supplementing the work of the class room, and giving students the advantage of private instruction. Attendance is required unless excused by the Principal, and absences are reported as strictly as absences from recitations.

PROGRAM

ILLINOIS

CLASS.	SEC.	8:15	9:15	10:30
SENIOR.	ALL.	(Fall) Political Economy. Daily. (Winter) Political Science. Daily. (Spring) Literature, 12. Mon., Physiology. Tu., Wed., Th., Fri., Mathematics, 8, 9, 10. Daily. Zoology, 3. Mon.	(Fall.) History, 4. Mon., Wed., Fri. (Winter.) Literature, 12. Mon., Wed., Fri. (Spring.) Christian Evidences, Mon., Wed., Fri. Mathematics, 20, 21, 22. Tu., Th. Zoology, 3. Mon.	<i>Philosophy, Psychology, Moral Science.</i> Daily.
JUNIOR.	A.I.L.	(Spring.) Physiology. Tu., Wed., Th., Fri. Mathematics, 8, 9, 10. Daily. Zoology, 3. Mon. Zoology, 2. Tu., Wed., Th., Fri. German, 5, 6, 8. Tu. Th.	Mathematics, 20, 21, 22. Tu., Th. Zoology, 3. Mon. Zoology, 2. Tu., Wed., Th., Fri. Chemistry, 2. Daily Th.	(Fall) <i>History</i> , 2. Daily. (Winter & Spring.) <i>History of Literature</i> , 4. Daily.
SOPHOMORE.	A.I.L.	German, 5, 6, 8. Tu. Th. German, 1. Mon., Wed., Fri. Zoology, 2. Tu., Wed., Th., Fri.	<i>English</i> , 3. Mon., Wed., Fri. <i>History</i> , 1. Tu., Th.	Mathematics, 4, 5, 6. Daily. English, 6. Tu., Th. Chemistry, 2. Daily Biology, 1, 2. Daily Zoology, 2. Tu., Wed, Th., Fri.
FRESHMAN.	CLAS.	<i>Cato Maior-Laelius</i> <i>Livy-Horace.</i> Daily.	Mathematics, 1, 2. Mon., Wed., Fri. <i>Rhetoric</i> , 1. Tu., Th.	<i>Greek</i> , 1, 3, 5. Mon., Tu., Wed., Th. <i>Greek</i> , 2, 4, 6. Fri.
	PHIL.	<i>Cato Maior-Laelius</i> <i>Livy-Horace.</i> Daily.	Mathematics, 1, 2. Mon., Wed., Fri. <i>Rhetoric</i> , 1. Tu., Th.	
	SCI.		Mathematics, 1, 2. Mon., Wed., Fri. <i>Rhetoric</i> , 1. Tu. Th.	<i>Biology</i> , 1. 2. Daily.

Chapel 10:15 daily. Bible, 6:45. Tuesday.

OF STUDY.

COLLEGE.

11:30	1:30	2:30	3:30
(Fall.) History. Daily (Spring.) History. Daily. Mathematics, 14, 15, 16. Mon., Wed., Fri. Latin, 3, 4. Tu., Th. French, 1, 2, 3. Mon., Wed., Fri.	Botany, 5. Mon. English, 10, 11. Mon., Wed. Latin, 5, 6. Tu., Th.	Botany, 5. Mon. Greek, 10, 11, 12. Tu., Th. English, 10, 11. Mon., Wed.	
Latin, 3, 4. Tu., Th. French, 1, 2, 3. Mon., Wed., Fri. Mathematics, 14, 15, 16. Mon., Wed., Fri. Chemistry, 2. Daily.	Physics, Mon., Wed., Th. Mathematics, 7. Tu., Fri. Latin, 5, 6. Tu., Th. Latin 1, 2. Mon., Wed., Fri. Botany, 1. Daily.	Greek, 10, 11, 12. Tu., Th. Greek, 7, 8, 9. Mon., Wed. Physics. Mon., Wed., Th. Botany, 1. Daily.	<i>English, 2. Tu.</i>
Latin, 3, 4. Tu., Th. French, 1, 2, 3. Mon., Wed., Fri. Chemistry, 2. Daily. Biology, 1, 2. Daily.	Latin, 1, 2. M., W., F. Mathematics, 7. Tu., Fri. Physics. Mon., Wed., Th. Botany, 1. Tu., Wed., Th., Fri.	Greek, 7, 8, 9. M., W Greek, 10, 11, 12. Tu., Th. Physics, Mon., Wed., Th. Botany, 1. Tu., Wed., Th., Fri.	
			<i>English, 2. Mon.</i>
<i>German, 2, 3, 4. Daily</i>			<i>English, 2. Mon.</i>
<i>Biology, 1, 2. Daily.</i>	<i>Chemistry, 1. Daily</i>	<i>Chemistry, 1. Daily.</i>	<i>English, 2. Mon.</i>

Required subjects in Italics.

PROGRAM

WHIPPLE

	CLASS.	SEC.	8:15	9:15	10:30
FALL.	SENIOR.	Clas. Phil. Sci.	Adv. Algebra. Adv. Algebra. Adv. Algebra.	Anabasis. Latin Lessons.	Vergil. Vergil.
	MIDDLE.	Clas. Phil.		Greek Lessons. Physiology.	Cæsar. Cæsar.
	JUNIOR.	Clas. Phil. Sci.	Rhetoric. Rhetoric. Rhetoric.	Latin Lessons. Latin Lessons. Physiology.	Study Hall. Study Hall. Study Hall.
	ENGLISH.	Reg. Spec. Teach.	Arithmetic. Arithmetic. Arithmetic.	Grammar. Grammar. Physiology.	Study Hall. Study Hall. Study Hall.
WINTER.	SENIOR.	Clas. Phil. Sci.	Geometry.	Iliad. Latin Lessons.	Vergil. Vergil. Gymnasium.
	MIDDLE.	Clas. Phil.	Geometry. Geometry.	Greek Lessons. Physics.	Cicero. Cicero.
	JUNIOR.	Glas. Phll. Sci.	English Literature English Literature English Literature	Latin Lessons. Latin Lessons. Physics.	Study Hall. Study Hall. Study Hall.
	ENGLISH.	Reg. Spec. Teach.	Arithmetic. Arithmetic. Arithmetic.	Grammar. Grammar. Physics.	Study Hall. Study Hall. Study Hall.
SPRING.	SENIOR.	Clas. Phil. Sci.	Adv. Algebra. Adv. Algebra. Adv. Algebra.	Iliad. Cæsar.	Cicero. Cicero.
	MIDDLE.	Clas. Phil.		Anabasis. Physics.	Cicero. Cicero.
	JUNIOR.	Clas. Phil. Sci.	Literature, W. Literature, W. Literature, W.	Cæsar. Cæsar. Physics.	Study Hall. Study Hall. Study Hall.
	ENGLISH.	Reg. Spec. Teach.	Arithmetic. Arithmetic. Arithmetic.	Grammar. Grammar. Physics.	Study Hall. Study Hall. Study Hall.

Chapel, 10:15. Daily.

OF STUDY.

ACADEMY.

11:30	1:30	2:30	3:30
Roman History.		German.	Elocution, 10. W.
Roman History.	Elocution, 7 Th.	German.	Elocution, 10. W.
Roman History.	Elocution, 7. Th.		Elocution, 10. W.
Algebra.			
Algebra.			
Algebra.			
	U. S. Hist. and Geog.		
	U. S. Hist. and Geog.		
	Bookkeeping.		
Greek History and Geog.	Zoology.	German.	Elocution, 11. W.
Gymnasium.	Zoology.	German.	Elocution, 11. W.
Gymnasium.	Elocution, 8. Th.		Elocution, 11. W.
Gymnasium.	Elocution, 8. Th.		
Algebra.	Gymnasium.		
Algebra.	Gymnasium.		
Algebra.	Gymnasium.		
Gymnasium.	U. S. Hist. and Geog.		
Gymnasium.	U. S. Hist. and Geog.		
Gymnasium.	Zoology.		
Geometry.		German.	Elocution, 12. W.
Geometry.		German.	Elocution, 12. W.
Geometry.	Elocution, 9. Th.		Elocution, 12. W.
East'n Nations & Greece	Elocution, 9. Th.		
East'n Nations & Greece	Botany.		
East'n Nations & Greece	Botany.		
Latin Lessons.	Botany.		
	Civil Government.		
	Civil Government.		
	Botany.		

Bible, 6:45. Tuesday.

CALENDAR.

1895.

April 19—Sigma Pi Open Meeting.....	Friday.
April 30—Freshman Exhibition.....	Tuesday.
June 7—Junior Exhibition.....	Friday.
June 9—Baccalaureate Sermon.....	Sunday.
June 9—Y. M. C. A. Anniversary.....	Sunday.
June 10—Whipple Anniversary.....	Monday.
June 10—Glee Club Concert.....	Monday.
June 11—Osage Orange Day.....	Tuesday.
June 11—President's Reception to Undergraduates.....	Tuesday.
June 11—Class Reunions.....	Tuesday.
June 12—Meeting of Trustees.....	Wednesday.
June 12—Class Day.....	Wednesday.
June 12—Phi Alpha Literary Exercises.....	Wednesday.
June 12—Phi Alpha Supper—Fiftieth Anniversary.....	Wednesday.
June 13—Commencement.....	Thursday.
June 13—Commencement Dinner.....	Thursday.
June 13—Commencement Reception.....	Thursday.

SUMMER VACATION.

Sept. 10, 11—Entrance Examinations.....	Tuesday and Wednesday.
Sept. 11—Registration Day.....	Wednesday.
Sept. 12—First Term Begins.....	Thursday.
Nov. 28—Dec. 1—Thanksgiving Recess.....	Thursday—Sunday.
Dec. 20—First Term Ends.....	Friday.

WINTER VACATION.

1896.

Jan. 7—Registration Day.....	Tuesday.
Jan. 8—Second Term Begins.....	Wednesday.
Feb. 14—Phi Alpha Open Meeting.....	Friday.
Mch. 13—Gymnasium Contest.....	Thursday.
Mch. 24—Second Term Ends.....	Wednesday.
Mch. 25—Third Term Begins.....	Thursday.
Mch. 25—Whipple Declamations.....	Thursday.
April 17—Sigma Pi Open Meeting.....	Friday.
April 28—Freshman Exhibition.....	Tuesday.
June 7—Baccalaureate Sermon.....	Sunday.
June 11—Commencement.....	Thursday.

STUDENTS.

ILLINOIS COLLEGE.

GRADUATING CLASS 1894.

Edwin George Baldwin, C.	Mendon.
John Andrew Barber, P.	Cantrall.
Frederick Scott Brown, C.	Divernon.
David Waddell Frackelton, P.	Petersburg.
James William Putnam, S.	Hersman.
Charles Francis Wemple, S.	Waverly.

SENIORS.

Thomas Henry Buckthorpe, P. 813 South East St.	Jacksonville.
Levi Stevens Doane, S. 906 Grove St.	Jacksonville.
James Marquis Duer, S. 1203 West State St.	Jacksonville.
Willard Hayes Garrett, S. 23 Crampton Hall.	Mendon.
George Wood Govert, C. 717 West College St.	Quincy.
Eo Briggs Nash, C. 233 Prospect St.	Jacksonville.
William L. Ransdell, P. 821 South Main St.	Jacksonville.
Thomas Jay Simons, C. 233 Prospect St.	Virden.
Joseph William Walton, C. 710 West North St.	Jacksonville.

JUNIORS.

Rupert Franz Asplund, C. 532 South Prairie St.	Little Indian.
Horace Herbert Bancroft, C. 623 West State St.	Jacksonville.
James Edward Clifford, P. 25 Crampton Hall.	Virginia.
Edward L. Darley, P. 22 Crampton Hall.	Franklin.
Albin Charles DeMary, P. 23 Crampton Hall.	Pleasant Plains.
Arthur Boyce Fairbank, P. 235 Westminster St.	Waverly.
Henry Norbury Kuechler, S. 202 North Prairie St.	Jacksonville.
Paul C. Levering, S. 8 Crampton Hall.	Petersburg.
Homer Francis Moore, C. 123 West College Ave.	Jacksonville.
Cornelius Bernard Rourke, S. 9 Crampton Hall.	Waverly.
Harry Fletcher Scott, C. 711 West College St.	Hiramsburg, O.
Elmer Ellsworth Wells, S. 823 West College Ave.	Franklin.

SOPHOMORES.

Kent Barber, C. 17 Crampton Hall.	Humboldt, Kan.
George Edwin Baxter, S. 1328 Mound Ave.	Griggsville.
Samuel Wallace Baxter, P. 5 Crampton Hall.	Jacksonville.
John Austin Bradley, C. 1202 West College Ave.	Lee, Mass.
Edward Regnier Branson, P. 717 West College St.	Petersburg.
John Gordon Carter, P. 921 West State St.	Jacksonville.

William George Cartlich, S. 5 Crampton Hall.	Creston, Ia.
Clarence Eldred Fairbank, C. 218 Westminster St.	Jacksonville.
Frederick Joy Fairbank, C. 218 Westminster St.	Jacksonville.
Ora T. Fell, P. 614 South East S.	Jacksonville.
Harry Hodges Griswold, S. 902 West State St.	Jacksonville.
Nevel Edward Harris, P. 923 South Main St.	Jacksonville.
Clyde Lamont Hay, C. City Place.	Jacksonville.
Charles Albert Johnson, S. 423 West State St.	Jacksonville.
Henry Wolcott Kirby, C. Lincoln Ave.	Jacksonville.
Edmund Clinton Kreider, S. 326 West State St.	Jacksonville.
William Kinkead Long, S. 1160 South East St.	Jacksonville.
Emmet William McBratney, S. 10 Crampton Hall.	Griggsville.
Brown Ervin McIlvaine, S. 14 Crampton Hall.	Tuscola.
Leonard Masters, S. South Main St.	Jacksonville.
Laurence Edwards Milligan, C. 149 Caldwell St.	Jacksonville.
John Goodspeed Pratt, C. 1132 South Main St.	Jacksonville.
Elmer David Read, C. 222 Sandusky St.	Jacksonville.
Edgar Howard Sturtevant, C. 252 Park St.	Jacksonville.
Orrin Anthony Wemple,* S. 9 Crampton Hall.	Waverly.

*Deceased.

FRESHMEN.

Perry Plattenburg Anderson, S. 115 Lafayette Ave.	Canton.
William Richard Blackburn, C. Box 1447.	Jacksonville.
Charles Otis Boston, S. 402 Sandusky St.	Jacksonville.
Arthur Travis Brittin, S. 8 Crampton Hall.	Cantrall.
Earl Gilbert Cowdin, S. 603 North Fayette St.	Illiopolis.
Byron Clary Darling, P. 21 Crampton Hall.	Pekin.
William Ezra Doane, S. 1009 West State St.	Perry.
John Stewart Dobyns, S. 1030 West State St.	Jacksonville.
John Albert Doyel, S. 24 Crampton Hall.	Wrightsville.
Myron Leslie Epler, C. 22 Crampton Hall.	Virginia.
Frederick Arthur Ernst, C. 125 Westminster St.	Quincy.
Mendal Garbutt Frampton, P. 233 Prospect St.	Pittsfield.
Michel Huffaker Grassly, S. 857 South Clay Ave.	Jacksonville.
Ira Kenney Harvey, S. 1328 Mound Ave.	Griggsville.
Edward Eugene Hinrichsen, S. 232 Westminster St.	Jacksonville.
Marcus Roy Hitch, S. 717 West College St.	Griggsville.
Merle William Janes, P. 125 Westminster St.	Quincy.
Harry John Jokisch, S. 831 West College Ave.	Beardstown.

Harry Nathaniel Kirby, P. 1205 West College Ave.	Jacksonville.
James Cheseldine Lathrop, C. 223 West State St.	Winchester.
William Walter Moore, C. 856 West State St.	Jacksonville.
Horace Henry Muse, S. 714 South Diamond St.	Jacksonville.
Kent Stewart Nelson, S. 10 Crampton Hall.	Harvel.
Willard Holbrook Palmer, C. 252 Park Pl.	Jacksonville.
Harrison Wallace Petefish, S. 14 Crampton Hall.	Literberry.
Fred Oren Philbrook, C. 24 Crampton Hall.	Forrest.
Thomas William Pitner, S. 245 West College Ave.	Decatur.
Roy David Plattner, S. 835 West College Ave.	Pittsfield.
John Albert Pugh, S. 26 Crampton Hall.	Waverly.
William Edgar Sampson, S. 118 Westminster St.	Tice.
Frederick Chauncey Tanner, C. 1328 Mound Ave.	Jacksonville.
Earl Vogel, S. 1428 South Main St.	Jacksonville.
William Lester Wemple, S. 1328 Mound Ave.	Waverly.

SPECIALS.

Vincent Jacob Cohenour, P. 208 West College Ave.	Pittsfield.
Edward Henry Fulton, S. 112 South Church St.	Jacksonville
Arthur Sanford Mitchell, P. Jacksonville.	Hot Springs, Ark
Charles David Williamson, S. Jacksonville.	Petersburg

WHIPPLE ACADEMY.

SENIORS.

Elisha Brown Adams	Jacksonville.
Francis Henry Burgess, Jr.	Mendon.
Herbert Joseph Capps	Jacksonville.
Percy Grierson Capps	Jacksonville.
Howard Turner Carriel	Jacksonville.
Harry Wilmer Collins	Liberty.
Pierce Peden Correll	Illio polis.
Arthur Shirley Doane	Jacksonville.
Ralph Doane	Perry.
Myron Edward Duckles	Chesterfield.
Harry Joy Dunbaugh	Jacksonville.
William Percy Duncan	Jacksonville.
Harry Augustus Dow	Pittsfield.
Frank Rumsey Elliott	Jacksonville.
William Englebach	Arenzville.
Charles Clayton Forbes	Danvers.
William Herbert Ginder	Arenzville.
John Goodell, Jr.	Chandlerville.
Harris Chase Hall	Chesterfield.
Sterling P. Hart	Auburn.
Elmer Ellsworth Johnson	Arcadia.
Robert Carroll Kennedy	Jacksonville.
Edward Murray King	Jacksonville.
George W. C. Parker	Mt. Sterling.

Rudolph Ring	Virden.
Albert Herd Rankin	Jacksonville.
Guy Archer Randolph	Kenney.
Charles Russell	Stockbridge, Mass.
Albert C. Salzenstein	Athens.
Wilbert Hoyt Sanford	Jacksonville.
Kirk Shawgo	Quincy.
C. Chappell Schureman	Jacksonville.
Frank Raymond Wheeler	Auburn.
Samuel S. Wheeler	Mt. Sterling,
Joseph Franklin Wilson	Versailles.
Henry Clinton Wiswall, Jr.	Alexander.
James Joy Woodman	Virden.
William Guthrie Young	Jacksonville.

MIDDLEERS.

William Brown Burr	Jacksonville.
George Maxwell Chambers	Jacksonville.
Charles Edward Cole	Jacksonville.
Frederick Lake Darling	Pekin.
Bert L. Davis	Raymond.
William Sanders Elliott	Jacksonville.
Malcolm Edward Greenleaf	Jacksonville.
Julian W. Hall	Jacksonville.
John Kearns, Jr.	Jacksonville.
Julius George Kirby	Jacksonville.
Arthur M. Masters	Jacksonville.
Alexander Allan McDonald	Jacksonville.
Robert Emmet McKenzie	Jacksonville.
Samuel W. Nary	Ashmore.
Edward Rosenstiel Stevenson	Jacksonville.

Harry Maxwell Stout	Jacksonville.
Herbert Samuel Walker	Jacksonville.
Frank Lee Webster	Jacksonville.

JUNIORS.

Lloyd Lackland Adams	Jacksonville.
Allan Brownell Ayers	Jacksonville.
Allan Farrell Ayers	Jacksonville.
Roy M. Ayers	Springfield
Frank J. Beggs	Arcola.
William Riley Cass	Jacksonville.
Frederick C. Carriel	Jacksonville.
Frederick C. Coleman	Jacksonville.
Charles E. B. Crosby	Jacksonville.
Elton Marcus Crum	Literberry.
James W. Crum	Literberry.
Reul George Crum	Literberry.
Perry Leo Davis	Virginia.
Frank C. Dinwiddie	Jacksonville.
George M. Doane	Perry.
Harry Dickerman Dobyns	Jacksonville.
Harry Newton Frizzell	Rushville.
Frederick L. Garrison	Teheran.
John Hancock Ethel	Jacksonville.
Harris Carriel Gordon	Jacksonville.
Robert Talbott Gayle	Springfield.
Scott Bryant Greene	Jacksonville.
Robert H. Halsted	Jacksonville.
William Harper	Petersburg.
Oscar Edwin Hewett	Chesterfield.
Allen M. King	Jacksonville.

Orrin Frank Konantz	Quincy.
Leland Porter Loomis	Jacksonville.
William C Lurton	Jacksonville.
Oscar Miller	Laomi.
Albert Hiram Morgan	Decatur.
George Haward McCullough	Riggston.
Benjamin D. Perrin	Virginia.
Luther Johnson Poffenbarger	Jacksonville.
George E. Rayhill	Jacksonville.
Roy J. Randolph	Kenney.
Cloyd Theodore Sanford	Jacksonville.
Thomas W. Stockdale	Springfield.
Charles Alfred Sturtevant	Jacksonville.
Preston Burnside Shinn	Odin.
Claudius Unger	Naples.
Geoge Kelley Whittlesey	Lafayette, Ind.
James G. Young	Jacksonville.

ENGLISH.

Sandy Absalem Baptist	Jacksonville.
Frank Thomas Belt	Choburn, Texas.
William Leopold DeLeuw	Jacksonville.
Irwin Horace G. Gamble	Litchfield.
Allen Joy Green	Jacksonville.
John Agee Jess	Jacksonville.
Robert Emmett Jess	Jacksonville.
Maurice H. Justice	Jacksonville.
Allen Lennington	Jacksonville.
Edgar S. Lindsay	Jacksonville.
Alfred M. Marshall	Boston, Mass.
Victor W. Nelson	Chicago.

Charles Livingston Overton	Forest.
Arthur James Rice	Jacksonville.
William Rogerson	Jacksonville.
Harvey Lee Ross, Jr.	Red Wood City, Cal.
Alexander Smith	Jacksonville.
Guy Van Sandt	Montrose.
Richard W. Sullivan, Jr.	Springfield.
Allen Van Winkle	Jacksonville.
John H. Virgin	Prentice.

SPECIAL.

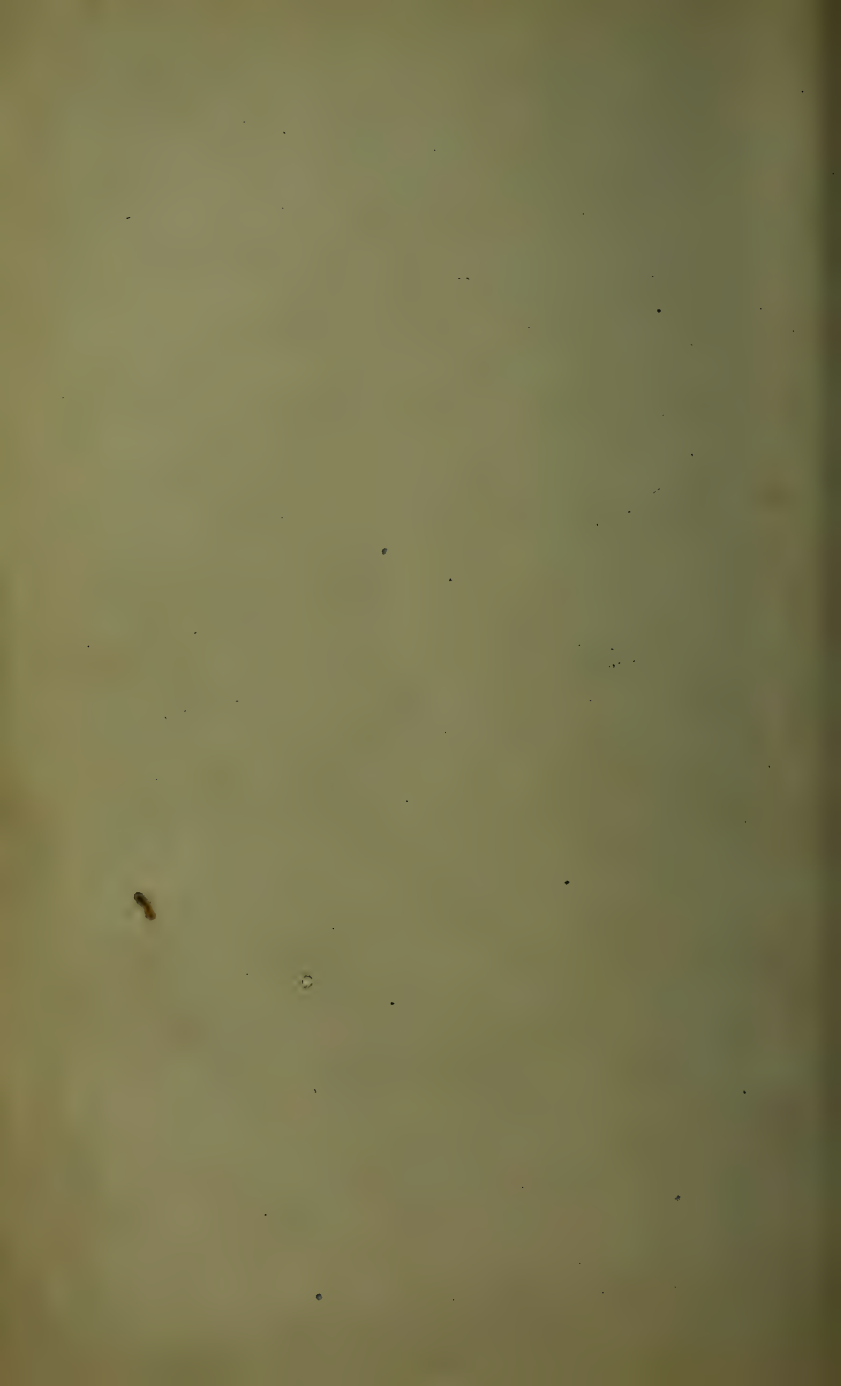
Merle McFarland	Jacksonville.
Thomas Langrieul Harris	Kansas City, Mo.
Charles H. Miller	Chapin.
Harry Russell	Centralia.

SUMMARY.

ILLINOIS COLLEGE.		WHIPPLE ACADEMY.	
Graduates.....	6	Seniors.....	38
Seniors.....	9	Middlers.....	18
Juniors.....	12	Juniors.....	44
Sophomores.....	25	English.....	21
Freshmen.....	33	Special.....	4
Special.....	4		
		Total.....	125
Total.....	89		

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1895-1896

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TRUSTEES.

JOHN E. BRADLEY, PH. D., LL. D.,	<i>President.</i>
HON. EDWARD P. KIRBY, LL. D.,	Jacksonville.
JULIUS E. STRAWN, A. M.,	Jacksonville.
LLOYD W. BROWN, M. D.,	Jacksonville.
HON. WILLIAM H. COLLINS, A. M.,	Quincy.
MARSHALL P. AYERS, A. M.,	Jacksonville.
FRANK W. TRACY, ESQ.,	Springfield.
CHARLES S. RANNELLS, A. M.,	Jacksonville.
HON. THOMAS C. McMILLAN, A. M.,	Chicago.
CHARLES RIDGELY, A. M.,	Springfield.
HON. ROBERT D. RUSSELL, A. M.,	Minneapolis, Minn.
AARON B. MEAD, ESQ.,	Chicago.
THOMAS J. PITNER, M. D.,	Jacksonville.
WILLIAM D. MARSH, ESQ.,	Chicago.
CHARLES H. MORSE, ESQ.,	Chicago.
EGBERT W. GILLETT, ESQ.,	Chicago.
ENSLEY MOORE, B. S.,	Jacksonville.
HENRY F. CARRIEL, M. D.,	Jacksonville.
REV. JOHN B. FAIRBANK, A. M.,	Waverly.

HON. EDWARD P. KIRBY, LL. D., *Sec'y and Treasurer.*
 (232½ W. State St.) 3 Duncan Pl.

ENSLEY MOORE, B. S., *Custodian of College Mementos.*
 856 W. State St.

FACULTY AND OFFICERS.

JOHN E. BRADLEY, PH. D., LL. D., 1202 W. College Av.

President and Professor of Mental and Moral Science.

A. B., Williams College, 1865; A. M., 1868; Ph. D., University of New York, 1879; LL. D., Williams College, 1893; Principal High School, Pittsfield, Mass., 1865-68; Principal High School, Albany, N. Y., 1868-86; Commissioner State of New York to Paris Exposition, 1878; Superintendent of City Schools, Minneapolis, 1886-92; Member of National Council of Education from 1889; President of Illinois College from 1892.

HIRAM K. JONES, LL. D. 505 W. College Ave.

Professor of Philosophy.

A. B., Illinois College, 1844; A. M., 1847; M. D., 1846; LL. D., 1878; Founder Concord School of Philosophy, 1879; Lecturer on Greek Philosophy in same, 1879-89; President American Akademie, 1878; Professor of Philosophy in Illinois College from 1886.

HARVEY W. MILLIGAN, A. M., M. D. 149 Caldwell St.

Professor of History and English Literature and Instructor in Economics.

A. B., Williams College, 1853; A. M., 1856; M. D., University of Pennsylvania, 1862; Instructor Pennsylvania Institution for Deaf Mutes, 1856-65; Principal of same in Wisconsin, 1865-69; Instructor in same in Illinois, 1869-82; Professor of History and English Literature in Illinois College from 1882.

JAMES B. SHAW, D. SC. 1011 W. College Ave.

Hitchcock Professor of Mathematics and Astronomy.

B. S., Purdue University, 1889; M. S., 1890; D. Sc., 1893; Member of American Mathematical Society, and American Association for the Advancement of Science; Professor of Mathematics, Central University, Iowa, 1890; Instructor in Mathematics and Physics, Illinois College, 1890-91; Professor of Mathematics and Astronomy from 1891.

MILTON E. CHURCHILL, A. M., B. D. 315 Lockwood Pl.

Collins Professor of Greek and German.

A. B., Knox College, 1877; A. M., 1880; B. D., Yale University, 1883; Instructor in Latin and Greek, Knox College, 1878-80, and 1885-87; Principal Emerson Institute, Mobile, 1883-85; Professor of Latin, Blackburn University, 1887-91; Studied in Germany, 1891; Professor of Greek in Illinois College from 1891.

JACOB A. ZELLER, A. M. 327 Lockwood Pl.

Professor of Pedagogy and Principal of Whipple Academy.

A. B., Miami University, 1856; A. M., 1860; B. L., Cincinnati Law School, 1860; Principal High School, Evansville, Ind., 1870-81; Superintendent of Schools, Richmond, Ind., 1881-84; Principal High School, Lafayette, Ind., 1885-94; Professor of Pedagogy in Illinois College from 1894.

JOHN M. CLAPP, A. M. 1011 W. College Ave.

Professor of English and Oratory.

A. B., Amherst College, 1890; A. M., 1893; Instructor in Elocution and Rhetoric in Illinois College, 1890-94; Professor of English and Oratory from 1894.

TRUMAN P. CARTER, A. M. 872 Grove St.

Hitchcock Professor of Natural Sciences.

A. B., Illinois College, 1885; A. M., 1888; B. S., University of Illinois, 1888; Studied in Cornell University, 1889-90; Instructor in Science in Illinois College, 1891-94; Professor of Natural Sciences from 1894.

FREDERICK W. SANFORD, A. B. 717 W. College St.

Instructor in Latin and French.

B. S., Illinois College, 1890; A. B., 1894; Studied in Chicago University, 1894-95.

FRANK PARSONS NORBURY, M. D. 420 W. State St.

Lecturer on Psycho-Physics.

M. D., Long Island College Hospital, 1888; Resident Physician Pennsylvania Institution for Feeble Minded Children, 1888; Assistant Physician Illinois Central Hospital for the Insane, 1888-93; Lecturer on Nervous and Mental Diseases, Keokuk Medical College, 1893; Professor of Nervous and Mental Diseases, St. Louis College of Physicians and Surgeons, from 1894; Lecturer on Cranio-Cerebral Anatomy and Surgery in Woman's Medical College, St. Louis, 1894; Associate Editor of the Medical Fortnightly of St. Louis; Lecturer on Psycho-Physics in Illinois College from 1894.

JAMES W. PUTNAM, B. S. Room 7, C. H.

Instructor in History and Assistant in Preparatory Department.

B. S., Illinois College, 1894; Student in Chicago University, 1895.

WILLARD H. GARRETT, B. S. Room 18, C. H.

Assistant in Preparatory Department.

B. S., Illinois College, 1895.

TRUMAN P. CARTER, A. M.

Professor of Physical Training.

WM. KIRBY McLAUGHLIN, A. M., M. D. 121 W. Coll. Av

Physical Examiner.

A. B., Illinois College, 1884; A. M., 1887; M. D., Northwestern University
Medical College, 1890; Physical Examiner in Illinois College from
1893.

JAMES W. PUTNAM, B. S.

Director of Gymnasium.

PROFESSOR H. W. MILLIGAN, *Librarian.*

PROFESSOR M. E. CHURCHILL, *Secretary of the Faculty.*

PROFESSOR J. B. SHAW, *Bursar.*

ILLINOIS COLLEGE.

GENERAL INFORMATION.

HISTORY AND PURPOSE.

The establishment of Illinois College is intimately related to the first settlement of the state. No chapter in American history is more inspiring than that which records the scenes and incidents connected with the formation of the famous Yale Band of 1829. Settlements in the Upper Mississippi valley were then small and widely scattered. But the young men composing this Band, then students of Yale College, looked forward to the development of the great west, and calmly planned for a national destiny of which few had then conceived. They resolved that the millions so soon to people the prairies and the forests of this vast expanse should find that the institutions of education and Christianity had preceded them. They resolved to lead in this work by devoting themselves to it.

In the autumn of 1827, Theron Baldwin, then a student in Yale College, read a fervid essay in the Yale Society of Inquiry on the Call of the West. His young associates were deeply stirred by his appeal, and on their homeward walk they paused beneath the

elms, and under the solemn majesty of that starlight night they devoted themselves to the work which the essay had proposed. A compact was prepared and signed, in which these young men pledged themselves to the work of education and Christianity in the then wild and distant state of Illinois. The signers of this compact were Mason Grosvenor, Theron Baldwin, Julian M. Sturtevant, William Kirby, Asa Turner, John F. Brooks and Elisha Jenney. Under the pledges of this compact, these young men immediately began to make plans for the founding of a Christian college.

Meantime, pioneers in the settlement of the state had begun to realize the great opportunity which was presented, and they, too, resolved that this fruitful land should be pre-empted for freedom and learning and righteousness—rescued from slavery and the thriftlessness and disorder which threatened. A movement was inaugurated under the lead of Rev. John M. Ellis, a home missionary, for the establishment of a Christian school, to which Gov. Joseph Duncan and Judge Samuel D. Lockwood gave hearty support. Through the agency of the American Home Missionary Society these two movements were brought together and many new friends gained to the enterprise, east and west.

In December, 1829, the school was opened in what is now the south wing of Beecher Hall, with Julian M. Sturtevant as the sole teacher. For fifty-six years he was connected with the institution as teacher, professor or president. The first class was graduated in 1835, and consisted of Richard Yates, afterwards the great war governor of Illinois, and Jonathan Spilman.

In 1831 Rev. Edward Beecher resigned the pastorate of Park Street Church, Boston, to accept the presidency of the growing institution. Few colleges have graduated so many distinguished alumni.

Illinois college was the most potent factor in determining the early history of the state. The wide publicity given to its establishment by the American Home Missionary Society and other agencies induced tens of thousands of the most desirable settlers to emigrate from their eastern homes to the fertile prairies of Illinois. Enterprise and capital followed the Christian College. The founders of the college were, in fact, the authors of the whole educational system of the state, and during the early years of its history one or two of its professors were constantly traveling throughout the state, stimulating the establishment of voluntary schools and forming public sentiment in favor of a system of public education. Throughout its history it has steadfastly adhered to its original purpose to promote the interests of education and Christianity throughout the region of which it is the intellectual center.

Illinois College, then, is the oldest college in the state. It represents the best educational standards and traditions of the parent institution, Yale College. In the quality of its work it ranks with the best institutions in the country. Students pass, without conditions, from its classes to the same rank in the largest colleges at the east.

With the wisdom of age is combined the vigor of youth. The institution reverently adheres to whatever is best in the old and fearlessly adopts that which

is good in the new education. It deems that training best which yields strong and self-reliant manhood. It educates for power, and adopts those methods of work which seem best calculated to produce clearness of intellect, vigor of expression, refinement of taste and Christian character.

The College seeks to provide wholesome conditions of growth. Its discipline is broad, but just and efficient. Within proper limits the greatest freedom and independence on the part of the student is encouraged as part of a well rounded education; beyond these limits conformity to the regulations of the College is expected and enforced. A systematical education is believed to include the physical, intellectual, moral and religious development of each student, and careful provision is made for each of these departments of training.

ORGANIZATION AND WORK.

By the charter of Illinois College the general government and administration of the Institution are vested in its Board of Trustees. The immediate direction of its work is vested in the Faculty; who are empowered to determine the requirements for admission to the college, the standard of attainment in the several classes, the subjects and methods of study, and to make such rules, subject to the judgment of the Trustees, as may be deemed best for the guidance of the institution and the advancement of its work.

It is the aim of Illinois College to extend to young men the benefits of a liberal education of a most ad-

vanced standard. It encourages broad and thorough study, and offers every incentive to faithful work and high attainment. Its courses of instruction are arranged to give best possible preparation alike for professional study and for active life. It seeks to meet the increasing demand for men of disciplined intellect, trained power and upright character in business enterprises. It trains its graduates for engineering, journalism and teaching; and while it thus affords special lines of study and investigation to meet the aims and necessities of different classes of students, it affords to all opportunities for that broad culture which should be the possession of every intelligent man. Improved methods of instruction make attainments easy at the present day which were beyond the reach of any but post-graduate students a few years ago. The instructors are specialists in their various departments, and the class-rooms and laboratories are supplied with the best appliances and apparatus for illustration and experiment. The wide range of elective studies enables students to carry their work in any chosen department to a high degree of advancement and practical results.

Whipple Academy, the Preparatory Department of Illinois College, is a secondary school of high grade. In addition to fitting its graduates for admission to Illinois College or any college or university in the country, it affords special advantages for the pursuit of English and business courses of study and for young teachers who wish to qualify themselves for higher grades of work. Its instruction is nearly all given by the regular college professors, and its students have

the benefit of the college library, laboratories and apparatus. In these and many other particulars it stands pre-eminent among schools of its class. The association of its students with college students and college work tends to promote ambition and manliness. Physical exercise is required and care is taken for the formation of moral character.

LOCATION AND BUILDINGS.

Jacksonville has long been famed for its culture and literary atmosphere. Three of the state charitable institutions are located here, and a number of prosperous schools and seminaries, and these, with the College, have led many cultivated families to take up their residence in Jacksonville. Its streets are well paved, lighted by electricity, and everywhere lined with arching rows of elms. It is conveniently situated at the intersection of the Chicago & Alton, the Wabash, the Chicago, Peoria & St. Louis, and the Jacksonville, Louisville & St. Louis railroads. Its healthful climate and freedom from temptation render it a most favorable location for a Christian college.

The College campus is a magnificent park of some twenty acres, crowning a slight elevation, and set with large elms and other trees.

The college buildings are commodious and well equipped. They are *Sturtevant Hall*, in which are the chapel, the Y. M. C. A. room, lecture and recitations rooms; *Crampton Hall*, a large dormitory building; *Beecher Hall*, containing the library and several

society and lecture rooms; *Whipple Hall*, containing recitation rooms, and a large study hall for the preparatory department; the *College Hall*, devoted to the use of the boarding department, and *Gymnasium*. These buildings are all well adapted to their uses, are heated by steam and lighted by gas.

COURSES OF INSTRUCTION.

The courses of instruction form a system of required and elective study. The studies of the Freshman year are required. In the Sophomore year the required studies occupy eight hours each week; in the Junior year six hours, and in the Senior year five hours, leaving seven hours of elective work in the Sophomore year and ten hours each in the Junior and Senior years.

The required studies of the Freshman year are selected for their disciplinary value, in order that students may the more profitably pursue, in subsequent years, whatever they may select.

The required studies of the Sophomore, Junior, and Senior years are restricted to English, German, French, Biology, History, and Philosophy, the pursuit of which in their respective courses is deemed necessary for students who are to be recommended for a collegiate degree.

The elective studies offer the student a large number of subjects, and are so placed in the curriculum that freedom of choice is allowed within the necessary limitations of the schedule of recitations.

REQUIREMENTS FOR ADMISSION.

Four different courses of study are pursued in this College: The Classical Course, the Philosophical Course, the Scientific Course and the Agricultural Course.

Candidates for admission to these courses are examined in the following subjects:

FOR ALL COURSES.

ENGLISH—1. **GRAMMAR** finished. **COMPOSITION**. Equivalent to Newcomer's Composition. **RHETORIC**. Equivalent to Genung's Outlines of Rhetoric to Chapter V. **LITERATURE**. Equivalent to Syle's From Milton to Tennyson, any thirty selections. In addition the candidate must write a short essay on a subject announced at the examination and connected with the selections prescribed for study. 2. **GEOGRAPHY**. 3. **HISTORY AND CONSTITUTION OF THE UNITED STATES**. 4. **HISTORY OF THE EASTERN NATIONS, GREECE AND ROME**. 5. **ELEMENTARY BOTANY**, as specified under requirements for the Scientific Course.

MATHEMATICS—**ARITHMETIC**, including square and cube roots, and the metric system. **ADVANCED ALGEBRA**. Equivalent to Jones's Drill-book, through quadratic equations. **GEOMETRY**, plane, five books.

In addition to these subjects, candidates for admission to the several courses are examined in special subjects as follows:

FOR THE CLASSICAL COURSE.

LATIN—**GRAMMAR**, including Prosody (Allen and Greenough). **CÆSAR**, four books; **CICERO**, eight orations (i. e. three times the amount of text in the four against Catiline); **VERGIL**, four thousand lines. **COMPOSITION**, (Riggs or Daniell). **ROMAN ANTIQUITIES**, Tighe, Wilkins.

GREEK—**GRAMMAR**, including Prosody (Goodwin or Allen-Hadley). **XENOPHON'S ANABASIS**, four books; or the first 111 pages of Goodwin's Greek Reader. **HOMER'S ILIAD**, three books. **COMPOSITION** (Woodruff entire). **CLASSICAL GEOGRAPHY**.

FOR THE PHILOSOPHICAL COURSE.

LATIN—**GRAMMAR**, including Prosody (Allen and Greenough). **CÆSAR**, four books; **CICERO**, eight orations (i. e. three times the amount of text in the four against Catiline); **VERGIL**, four thousand lines. **COMPOSITION** (Riggs or Daniell). **ROMAN ANTIQUITIES**, Tighe, Wilkins.

NATURAL SCIENCE—**ELEMENTARY ZOOLOGY, PHYSIOLOGY and PHYSICS**.

GERMAN—The reading at sight of easy German prose.

FOR THE SCIENTIFIC AND AGRICULTURAL COURSES.

NATURAL SCIENCE—BOTANY. Equivalent to Gray's School and Field Book, with a herbarium of at least fifty mounted and classified plants, and the pupil's note book. ZOOLOGY. Equivalent to Colton's Practical Zoology and Packard's Brief Course, with the pupil's note-book in dissection. PHYSICS. Equivalent to Gage's elements, and note-book showing at least sixty experiments by the pupil. PHYSIOLOGY. Equivalent to Walker's.

LANGUAGE—One year of Latin or German, or satisfactory equivalents.

Real equivalents will always be accepted, and candidates for admission are invited to correspond in advance of the examinations with the Professors in whose departments are found the subjects for which they desire to offer substitutes.

The examinations for admission to College will occur on Monday and Tuesday, September 7th and 8th, 1896, and will be arranged as follows:

Monday, 9 A. M. English Branches.

Monday, 2 P. M. Natural Sciences.

Tuesday, 9 A. M. Latin and German.

Tuesday, 2 P. M. Greek and Mathematics.

Persons intending to take these examinations are reminded of the necessity of carefully observing the above program. They are also urged to make special preparation in order to insure success, as a general knowledge of the subjects indicated will not be sufficient.

Attention is called to the Scholarship Prizes for best entrance examinations, which are described hereafter under the head of prizes.

Testimonials of good moral character may be required whenever the Faculty think it necessary. Students from other colleges are always required to produce certificates of honorable dismissal.

Courses of Instruction Arranged According to the Collegiate Years:

FRESHMAN YEAR.

CLASSICAL COURSE.

FALL TERM.

1. Greek.	Course 1.	4 hours
	Course 2.	1 hour
2. Latin.	Cato Maior and Laelius. Latin Composition.	5 hours
3. Mathematics.	Course 1 a.	3 hours
4. English.	Course 1.	2 hours
5. Elocution.		1 hour
6. Bible.	(Optional.)	1 hour

WINTER TERM.

1. Greek.	Course 3.	4 hours
	Course 4.	1 hour
2. Latin.	Livy. Latin Composition.	5 hours
3. Mathematics.	Course 1 b.	3 hours
4. English.	Course 1.	2 hours
5. Elocution.		1 hour
6. Bible.	(Optional.)	1 hour
7. Pedagogy.	(Optional.)	1 hour

SPRING TERM.

1. Greek.	Course 5.	3 hours
	Course 6.	2 hours
2. Latin.	The Odes of Horace. Latin Composition.	5 hours

3. Mathematics. Course 1 c.	3 hours
4. English. Course 1.	2 hours
5. Pedagogy. (Optional.)	1 hour

PHILOSOPHICAL COURSE.

FALL TERM.

1. Latin. Cato Maior and Laelius. Latin Composition	5 hours
2. German. Courses 2 a, 2 b.	5 hours
3. Mathematics. Course 1 a.	3 hours
4. English. Course 1.	2 hours
5. Elocution.	1 hour
6. Bible. (Optional.)	1 hour

WINTER TERM.

1. Latin. Livy. Latin Composition	5 hours
2. German. Courses 3 a, 3 b.	5 hours
3. Mathematics. Course 1 b.	3 hours
4. English. Course 1.	2 hours
5. Elocution.	1 hour
6. Bible. (Optional.)	1 hour
7. Pedagogy. (Optional.)	1 hour

SPRING TERM.

1. Latin. The Odes of Horace. Latin Composition.	5 hours
2. German. Courses 4 a, 4 b.	5 hours
3. Mathematics. Course 1 c.	3 hours
4. English. Course 1.	2 hours
5. Pedagogy. (Optional.)	1 hour

SCIENTIFIC AND AGRICULTURAL COURSES.

FALL TERM.

1. Mathematics. Courses 1 a, 2 a.	5 hours
2. Biology.	5 hours
3. German. Course 1 or 2 a.	3 hours
4. English. Course 1.	2 hours
5. Elocution.	1 hour
6. Bible. (Optional.)	1 hour

WINTER TERM.

1. Mathematics. Courses 1 b, 2 a, 2 b.	5 hours
2. Biology.	5 hours
3. German. Course 1 or 3 a.	3 hours
4. English. Course 1.	2 hours
5. Elocution.	1 hour
6. Bible. (Optional.)	1 hour
7. Pedagogy. (Optional.)	1 hour

SPRING TERM.

1. Mathematics. Courses 1 c, 2 b.	5 hours
2. English. Course 1.	2 hours
3. Biology.	5 hours
4. German. Course 1 or 4 a.	3 hours
5. Pedagogy. (Optional.)	1 hour

WINTER TERM.

Required.

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| 1. Rhetoric. | Course 3. | 3 hours |
| 2. History. | Course 1. | 2 hours |
| 3. Biology. | Course 2. Classical and Philo-
sophical Courses. | 3 hours |
| 4. German. | Course 3 a, or | |
| French. | Course 2. Scientific Course. | 3 hours |

Elective. Student to take 7 hours.

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|------------------|------------------------|---------|
| 1. Greek. | Course 8. | 2 hours |
| 2. Latin. | Courses 1, 2. | 2 hours |
| 3. Mathematics. | Course 3 b. | 5 hours |
| | Course 4, Physics. | 2 hours |
| 4. German. | Course 6. | 2 hours |
| | Course 1. | 3 hours |
| 5. French. | Course 2. | 3 hours |
| 6. Zoology. | Course 2. | 5 hours |
| 7. Physiography. | Course 1. | 1 hour |
| 8. Chemistry. | Quantitative Analysis. | 5 hours |
| 9. Bible. | | 1 hour |
| 10. Botany. | Course 1. | 5 hours |
| 11. Pedagogy. | | 1 hour |
| 12. English. | Course 6. | 2 hours |
| 13. History. | Courses 6 and 7. | 2 hours |

SPRING TERM.

Required.

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|--------------|---|---------|
| 1. Rhetoric. | Course 3. | 3 hours |
| 2. History. | Course 1. | 2 hours |
| 3. Biology. | Course 2, Classical and Philo-
sophical Courses. | 3 hours |

4. German.	Course 4 a, or	
French.	Course 3, Scientific Course	3 hours
Elective. Student to take 7 hours.		
1. Greek.	Course 9.	2 hours
2. Latin.	Course 2.	2 hours
3. Mathematics.	Course 3 c.	5 hours
	Course 4, Physics.	2 hours
4. German.	Course 8.	2 hours
	Course 1.	3 hours
5. French.	Course 3.	3 hours
6. Zoology.	Course 2.	5 hours
7. Physiography.	Course 1.	1 hour
8. Chemistry.	Quantitative Analysis.	5 hours
9. Botany.	Course 1.	5 hours
10. Pedagogy.		1 hour
11. English.	Course 6.	2 hours
	Course 13.	3 hours
12. History.	Course 7.	2 hours

JUNIOR YEAR.

ALL COURSES.

FALL TERM.

Required.

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| 1. English History. Course 2. | 5 hours |
| 2. Oratory. Course 5. | 1 hour |

Elective. Student to take 10 hours.

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| 1. Greek. Course 7. | 2 hours |
| 2. Latin. Course 1. | 2 hours |
| 3. Mathematics. Course 8. | 3 hours |
| Course 7, Physics. | 2 hours |
| 4. Botany. Economic. Course 2. | 2 hours |
| 5. Embryology. Botanical. Course 4. | 1 hour |
| 6. Anatomy and Physiology. Course 5. | 2 hours |
| 7. Geology. Economic. Course 3. | 2 hours |
| 8. Bible. | 1 hour |
| 9. English. Course 10. | 5 hours |
| 10. Zoology. Course 2. | 5 hours |
| 11. German. Course 5. | 2 hours |
| 12. French. Course 1. | 3 hours |

WINTER TERM.

Required.

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| 1. English Literature. Course 4. | 5 hours |
| 2. Oratory. Course 5. | 1 hour |

Elective. Student to take 10 hours.

1. Greek. Course 8.	2 hours
2. Latin. Courses 1 and 2.	2 hours
3. Mathematics. Course 8.	3 hours
Course 7, Physics.	2 hours
4. Botany. Economic. Course 2.	2 hours
5. Embryology. Botanical. Course 4.	1 hour
6. Anatomy and Physiology. Course 5.	2 hours
7. Geology. Economic. Course 3.	2 hours
8. Bible.	1 hour
9. Pedagogy.	1 hour
10. English. Course 11.	5 hours
11. Zoology. Course 2.	5 hours
12. German. Course 6.	2 hours
13. French. Course 2.	3 hours

SPRING TERM.

Required.

1. English Literature. Course 4.	5 hours
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Elective. Student to take 10 hours.

1. Greek. Course 9.	2 hours
2. Latin. Course 2.	2 hours
3. Mathematics. Course 8.	3 hours
Course 7, Physics.	2 hours
4. Botany. Course 2.	2 hours
5. Embryology. Botanical. Course 4.	1 hour
6. Geology. Economic. Course 3.	3 hours
7. Pedagogy.	1 hour
8. English. Course 11.	5 hours
9. Zoology. Course 2.	5 hours
10. German. Course 8.	2 hours
11. French. Course 3.	3 hours

SENIOR YEAR.

ALL COURSES.

FALL TERM.

Required.

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| 1. Philosophy. | 5 hours |
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Elective. Student to take 10 hours.

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|------------------------------------|---------|
| 1. Latin. Course 1. | 2 hours |
| 2. Mathematics. Course 9. | 3 hours |
| Course 10, Physics. | 2 hours |
| 3. Logic. | 3 hours |
| 4. English. Course 10. | 5 hours |
| 5. Physiology. Course 5. | 2 hours |
| 6. Entomology. Economic, Course 3. | 3 hours |
| 7. History. Course 4. | 3 hours |
| 8. Political Science. | 5 hours |
| 9. Bible. | 1 hour |
| 10. Greek. Course 7. | 2 hours |
| 11. Sociology. | 3 hours |

WINTER TERM.

Required.

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|----------------|---------|
| 1. Philosophy. | 5 hours |
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Elective. Student to take 10 hours.

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| 1. Latin. Courses 1 and 2. | 2 hours |
| 2. Mathematics. Course 9. | 3 hours |
| Course 10, Physics. | 2 hours |

3. English. Course 11.	5 hours
4. Physiology. Course 5.	2 hours
5. Entomology. Economic. Course 3.	3 hours
6. Literature. Course 12, Oriental and Classical.	2 hours
7. Political Science.	5 hours
8. Bible.	1 hour
9. Pedagogy.	1 hour
10. Greek. Course 8.	2 hours

SPRING TERM.

Required.

1. Philosophy.	5 hours
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Elective. Student to take 10 hours.

1. Latin. Course 2.	2 hours
2. Mathematics. Course 9.	3 hours
Course 10, Physics.	2 hours
3. Greek. Course 9.	2 hours
4. English. Course 11.	5 hours
5. Entomology. Economic. Course 3.	3 hours
6. Literature. Course 7.	2 hours
7. Christian Evidences.	3 hours
8. Pedagogy.	1 hour

DEPARTMENTS OF INSTRUCTION.

PSYCHOLOGY, ETHICS AND PHILOSOPHY.

The study of Philosophy should begin with the elements of Psychology. The aim is to secure both comprehensiveness and thoroughness. No substantial progress can be made without first carefully considering the mental subject and its functions. The instruction will begin with an investigation of the various forms of mental phenomena. The work is divided into three subjects:

PSYCHOLOGY.

Mind will be studied in connection with the nervous system and its functions. As far as practical experimental methods will be employed, but the constant appeal will be to consciousness. Although the course will be taught by the use of a text-book, considerable time will be taken, from the first, in oral instruction. The views of different authors will be compared and criticised. Among the topics considered will be: The Relations of the Soul to Matter; The Faculties, the limitations and correlations; Consciousness, its varieties and products; Classes and Media of Sense-Perceptions; Representation, its nature and forms and relation to habits of thought, speech and action; Thought and thought-knowledge,

the nature of the concept and its formation; Products of thought, Judgment, Reasoning, System; Intuition and the relations of intuitive knowledge; Laws of thought and belief. Required course, Senior year. Five hours a week.

Logic. The forms of thought and the different modes of reasoning will be considered. Elective course, Senior year. Three hours a week.

Ethics. The nature and grounds of obligation will be considered, and the grounds of the distinctions of right and wrong, of virtuous and sinful actions; Functions of Conscience; Moral Judgment; Relation of the Will of God to Moral Judgment; the Will of God, how made known; Relation of Benevolence to the various virtues and vices; Government; Rights and Duties, and their correlation—Love the substance of both; Duties to God; Duties to Man; Relation of the sexes; Civil Society, with its rights and obligations; Rights—Life, Liberty, Reputation, Property; Duties—Self culture, Fidelity, Veracity. Required course, Senior year, following the Psychology. Five hours a week.

Theism. The Personality of God and Man; Arguments for the being of God; Anti-Theistic Theories; Pantheism, Positivism, Materialism, Agnosticism.

Evidences of Christianity. Prophecy; Miracles; Character of Christ; Nature of His Doctrines; Character of the Apostles; The Credibility of the witnesses; The Spread and Effects of the System; Contrast with other Religions; Settlement of the Canon; Harmony with Modern Science. Elective course, Senior year, third term. Three hours a week.

PSYCHO-PHYSICS

has to do with the natural laws of physiology as applied to psychology. To present this subject according to its recognition as a department of natural science, experimental and physiological methods are pursued.

The lectures treat of the cerebral and nervous apparatus, &c., as follows:

1. The normal anatomy, including histology.
2. Its functional elements; the normal physical and psychical activities.
3. The lesions of its organization, or the occurrence of the abnormal in development.
4. The lesions of disorganization or the acquired abnormal states.

PHILOSOPHY.

Philosophy investigates essential natures and first principles and causes. Hence the philosophic exercises of the mind are characteristically conversant about Real being. Being is that which truly is and exists. And, therefore, Being is that which underlies and effects all the phenomena of the visible world.

Philosophy affirms Being to be a subject of immediate and verifiable human knowledge; that Being is the source and cause of all apparent life and motion and form in visible Nature, and a subject equally and truly as knowable as its phenomena.

The method of Philosophy is psychologic.

1. The psychologic and philosophic ground of all knowledge is found in the constitution of the Soul.
2. Man is related through and by means of con-

sciousness to Matter and Mind and Deity. Hence man is capable of knowledge in each of these subjects.

3. The Doctrine of Consciousness—it is the ground and condition of all knowledge whatever.

4. The scientific and philosophic principles of the Soul in which it is related to Material nature, to Mind, and to Deity.

5. The scientific and philosophic proofs of the doctrine of the Immortality of the Soul.

6. The microcosmic constitution of man as the ground of the universal range of his capabilities of knowledge.

7. Nature—The differentiation of Mind and Matter, considered apart and in relation. The life principle is the active element, and the material principle is the passive and instrumental element; and a certain orderly conjunction of the vital with the material element is the fact of organization.

8. The Philosophy of Conscience, of Faith, of Knowledge, and of Law, as topics illustrative of the principles and the argument. The limit of this notice necessarily precludes intelligible outlines.

From this point of view of Real Being, essentially and relatively identified, the course in Philosophy is intended to exercise the mind in the analytic and contemplative speculation and review of the Sciences, Physical, Metaphysical, and Theistic, and in the philosophic comprehension of all the sciences as they unite in a manifest and knowable First Cause.

The course will consist, for the present, of about thirty-five lectures, to be delivered to the Senior class

during the several terms of the Senior year. Required course.

HISTORY.

History enables the student to appropriate the wisdom and experience of preceding ages. The aim of the instruction in this department is first to furnish the general information that is necessary for intelligent citizenship and the demands of social life, and second to give such training as will be valuable to students who are looking forward to the profession of Law or Journalism. In history the courses offer in connection with the preparatory courses a somewhat comprehensive study of events from the beginning of Greek civilization down to the present time. As far as practicable the work is intended to be continuous. The required studies of the College Course in History are:

1. A course in General History during the Sophomore year. It begins with "The Migration of the Nations" in the 4th century. The text will be Prof. Fisher's Outlines, and frequent synopses and discussions, in writing, will be required.
2. English History will be studied in the text of Gardiner's Student's History during the Fall term of the Junior year. A previous knowledge of Ancient and Mediæval History will be assumed, and the benefits of the study, as well as its necessity, will be felt in the subsequent studies of Political Science and of English Literature. Frequent papers and discussions will be called for in the course of this study.
4. An elective course in History from 1848 to 1890

will be offered to those who have taken Ancient, Mediæval and all previous Modern History. It will occupy three hours per week, and will consist of lectures, examinations and papers on prescribed topics. This will continue during the Fall term.

6. French History. This course follows the development of the present French nation from the primitive inhabitants down to 1889. The class will use Duruy's History of France as text, and do such reference work as may be deemed advisable. First half year, 2 hours.

7. The Reformation, 1517-1648. Hauser's Period of the Reformation will be used as the text and reference work given as in Course 6. Second half year, 2 hours.

Courses 6 and 7 are open to students who have had Course 1 or its equivalent.

ECONOMICS.

Political science is studied not only in its abstract relations, but as connected with sociology and ethics.

In production, the student's attention is directed to its factors—the forces of nature, capital and labor. The distribution of the product, and the laws which regulate this distribution are then considered. Following distribution of the product, and the laws which regulate this distribution comes exchange. Should it be free or taxed; and, if taxed, for what purpose, and to what extent? Consumption, both productive and destructive, with charities, subsidies, free education, and public works, receive due attention. The laws of God which apply to society, of which our Federal

Constitution is the best statement, are then taken up and considered. The origin and history of the Constitution; its amendments; its development by legislation, and by judicial decisions, and its adaptability to all future needs are thoroughly impressed upon the student.

An elective course in Political Economy and in Political Science—using Newcomb, and Sterne's Development of the Constitution as texts—will be offered to those who have previously taken the courses in History. This will continue through the first and second terms, five hours each week. Papers and discussions on prescribed topics will be frequently called for.

An elective course in Sociology will be offered to students who have taken all previous courses in history. This will occupy three hours each week. The text mainly followed will be Small and Vincent's Introduction to the Study of Society.

This course will alternate with the course in History from 1848 to 1890, and will be given in 1896 and 1897.

MATHEMATICS AND PHYSICS.

• The field covered by this department is that of the general methods and the most important results of those branches of the subject with which every student who expects to do university work in it must be familiar. The course is not only arranged to do this but to give each year a line of work complete in itself. There occurs every year a line of practical mathematics, which is indispensable to the student in Architecture, Astronomy, Engineering, Mechanics, Phys-

ics, and the like. The work of the first two years is that covered by such institutions as Harvard, Yale or Cornell. This work occurs yearly. The remaining work is alternating in its arrangement. This arrangement enables a student to take his required work and yet be able to elect within four years all the work in Mathematics.

The method in the instruction has for its aims the production of clear conceptions in the student's mind and the bringing out of the interrelations of the subject. The objective situation of the student at graduation should be that of seeing in perspective all divisions of Mathematics. In the higher branches the colloquium is introduced and in one the seminary. It is hoped by this means to give the student some familiarity with these university methods and thus to enable him to proceed more rapidly in graduate work.

Every student who expects to take Mathematics in the Junior or Senior year must be able to read French and German.

The department of Physics is complementary to that of Mathematics. It offers a field for the practical application of whatever skill, mental or manual, the student may possess. The courses are necessary for all students who expect to take work in Technological schools. Courses 2, 4, 5, 7, 10, 12, 13, are distinctly physical, though all the others use examples from physics.

CONSPECTUS OF THE WORK.

FIRST YEAR—

1. Autumn, Algebra; Winter, Trigonometry; Spring, Geometry.
2. Mechanical Drawing and Surveying.

Course 1 is required of all Freshmen, course 2 of Scientifics.

SECOND YEAR—

3. Analytical Geometry and Calculus.
4. Laboratory Measurements.
12. General Physics.

THIRD YEAR—

5. Astronomy.
6. Advanced Geometry and Algebra.
7. Theoretical Mechanics.
8. Quaternions.

FOURTH YEAR—

9. Advanced Calculus.
10. Theory of Light.
11. Theory of Numbers and Theory of Functions.
13. Theory of Heat.
14. Seminary Course in History of Mathematics.

COURSES IN DETAIL.

1a. *Algebra: Taylor's College Algebra.* Three-fifths. Treating of limits, series, logarithms, permutations, combinations, probability, compound interest, continued fractions, theory of equations. Graphical methods are used. Prerequisite, entrance mathematics.

1b. *Trigonometry: Jones's; Jones's Tables.* Three-fifths. On the one hand a study of triangles and their solution from given data, on the other a study of simple periodic functions. The work includes a little spherical trigonometry.

1c. *Solid Geometry: Hayward.* Three-fifths. A study of the properties of solids, and the computation of surfaces and volumes. Crude notions of geometry are refined in this course.

2a. *Mechanical Drawing: Thompson and Faunce.* Two-fifths. First half year. A practical course in orthographic and isometric projections, working draw-

ings in general, and perspective, including shades and shadows.

2b. *Surveying: Carhart's Field-book for Engineers.* Two-fifths. Second half year. A course in the use of the transit and the level; computation of earth-work, railroad curves and crossings; lectures on land surveying. Prerequisite, course 1.

3a. *Analytic Geometry; Hardy.* Five-fifths. Autumn. The student is here taught to apply algebraic methods to geometry. In this way he is enabled to discover the properties of the straight line, the circle, the ellipse, the hyperbola, the parabola, the cardioid, the conchoid, the cissoid, the lemniscate, the witch, the cycloid, and various spirals. There is also an application to the plane, to surfaces of revolution, and to the helix. As all these figures are of importance in applied mathematics, the results are valuable, aside from the method, which is indispensable.

3b. *Differential Calculus. Byerly, and Byerly's Problems.* Five-fifths. Winter. The Calculus is probably the most powerful branch of Mathematics. Its ideas and methods permeate almost every subject in this field of knowledge. Its principles and logic are of the utmost value not only in Mathematics but in Philosophy. It treats such functions as are *continuous*. Thus we are able to compute the lengths of curves, the areas enclosed by them, the areas of curved surfaces, volumes of solids, masses of bodies, centers of gravity, moments of inertia, motion, average value, probabilities, and all problems of mechanics and physics. It also enables us to study properties of curves such as tangents, curvature, etc. De-

velopments in series, maxima and minima, etc. Prerequisites, 3a.

3c. *Integral Calculus: Byerly.* Five-fifths. Spring. A continuation of course 3a, but it treats of more extended problems in integration for one thing, and also of integration along a line, over a surface and through a space,—a class of problem of frequent occurrence in physics. It further develops new functions, as the gamma function, hyperbolic functions, and elliptic functions, with applications. These functions are of much use in higher mathematics, physics, and mechanics. The course closes with an elementary treatment of the general theory of functions, and elementary differential equations. Prerequisite, 3b.

4. *Laboratory Physics: Nichol's Junior Course.* Two-fifths. A course in the use of physical measuring instruments and deduction of laws from the results of observations. Exact experiments are made in dimensions, curvature, density, forces, machines, pendulums, elasticity, balances, hydrometers, barometer, calorimetry, specific heat, latent heat, static electricity, magnetic curves, moments, intensities, electric currents, galvanometers, electromotive force, potential, resistance, capacity, induction, pitch, velocity of sound, sonometer, mirrors, lenses, indices of refraction, spectrometer, photometer, polarimeter, and others. Prerequisite, course 1.

5. *Astronomy: Young.* Two-fifths. A general course covering the various phases of this interesting branch of science. Lectures supplementary to the text are given. Prerequisite, course 1.

6. *Advanced Geometry and Algebra: Scott's Mod-*

ern Geometry, Elliott's Algebra of Quantics. Three-fifths. These two courses are supplementary: the one develops algebraic forms and interprets them in terms of geometric forms, the other vice versa. On the one hand new properties of lines and curves appear, on the other new properties of algebraic forms. The course in geometry develops the use of homogeneous coordinates, duality, descriptive properties, metric properties, unicursal curves, cross-ratio, homography, involution, projection, linear transformation, correspondence, birational transformations, the absolute, invariants and covariants. The course in algebra develops invariants, covariants, seminvariants, etc. It is confined mainly to binary forms, but the ternary form is briefly considered. Prerequisite, 3.

7. *Theoretical Mechanics: Ziwet.* Two-fifths. This is a study of motion, force and energy. It is the foundation of all work in Physics, Architecture and Engineering. There are three parts: Kinematics, Dynamics and Statics, Kinetics. The treatment of problems is both algebraic and graphic. The first part covers the geometry of motion, translations, rotations, screws; linear, plane and solid kinematics. Some of the special topics are falling bodies, projectiles, piston motion, the pendulum, and link-motion. Part two discusses centers of gravity, forces, couples, plane statics, solid statics, virtual work, and attractive forces. Centroids, forces in frameworks, catenaries, friction, jointed frames, and trusses are some of the applications. Part three touches on impact, rectilinear and curvilinear motion, LaGrange's equations, moments of inertia, constraints, free rigid bodies, var-

iable systems. Among other special topics are rams, steam engine indicators, horse power, planetary motion. Prerequisite, 3.

8. *Elementary Quaternions: Kelland and Tait.* Three-fifths. This is a new Algebra, or body of symbols, by means of which problems in geometry, mechanics, and physics are attacked directly, simply, and with great success. It develops the idea of multiple quantity of three or four dimensions. It implies a mind facile, keen and mathematically intuitive. Its value in mathematical investigations is daily increasing, both in pure and applied mathematics. It is, for example, the gateway to one of the profoundest of mathematical subjects — multiple algebra. This course develops the general properties and transformations of scalars, vectors, tensors, versors, quaternions and the linear vector operator; and extends the infinitesimal calculus to these expressions. It is applied to the geometry of the conic sections, line, plane, sphere, cyclic cone, surfaces of second degree; to kinematics of a point; and to the theory of homogeneous strains. Prerequisite, 3.

9. *Advanced Calculus: Forsythe's Differential Equations; Byerly's Fourier's Series; Calculus of Variations.* Three-fifths. An extension of course 3 to higher analytical and physical work. Many practical applications are given. Prerequisites, 3 and 7.

10. *Theory of Light: Preston.* Two-fifths. A mathematical study of the wave-theory and its applications to Light. Prerequisites, 3, 4 and 12.

11. *Theory of Numbers and Theory of Functions: Harkness and Morley's Theory of Functions.* Three-

fifths. Introductory to the field of research of today. Application to physics is made, an especial study of elliptic functions being made with this in view. Prerequisites, 3 and 6.

12. *General Physics: Gage.* Two-fifths. An elementary course in general physics. It consists of recitations, lectures, and experiments by the instructor. Prerequisite, entrance Mathematics.

13. *Theory of Heat: Preston.* Two-fifths. The mathematical theory of heat and thermodynamics. Prerequisites, 3, 4 and 15.

14. *Seminary in History of Mathematics.* One-fifth. Papers are prepared on the salient characters and on the results and branches of mathematics chronologically. The bibliography of Mathematics and the philosophy of Mathematics also enter this course.

PHYSICAL LABORATORY.

The laboratory is equipped with desks for students, lecture room, sink, water, gas, and work shop. The apparatus includes a large quantity of lecture apparatus, and a good supply of instruments for quantitative work in mechanics, heat, light, magnetism and electricity. The instruments of precision include a Browning spectrometer reading to minutes; diffraction grating by Rowland, separating the E line; micrometer calipers, micrometric attachments with large microscope; quantitative balance; astatic galvanometer and thermopile; spherometer; large polarimeter; sextant and optic circle reading to $7\frac{1}{2}$ seconds; galvanometers of tangent, sine, Helmholtz-Gauguin, Weide-

mann, vibration mirror, and Dupres-D'Arsonval types; Bunsen ice calorimeters; resistances; Atwood machine; piezometer; government standard barometer; Wollaston goniometer; electromagnet for diamagnetic work; small electric motor; Coulomb balance; magnetometer; quadrant electrometer; resistance box and bridge and others. New pieces are added yearly so that the equipment is thoroughly modern.

THE GREEK LANGUAGE AND LITERATURE.

The work in this department is required through the Freshman year, and may be elected in alternating courses for two succeeding years.

The main purpose of the required courses, in view of the limited time assigned to them, is to enable the student to read easily and at sight. The most difficult authors, therefore, are not chosen, but those whose style is simple and most fairly representative of the Epic and the Attic Greek. This method, far from encouraging superficiality, makes the careful study of accidence and syntax a continual necessity.

The elective courses are designed for those who desire to specialize in Greek or to make a further study of Greek literature.

REQUIRED.

1. *Homer.* In this course a thorough knowledge of Homeric forms and a fair knowledge of the Homeric vocabulary are pre-supposed. Attention is therefore directed less to distinctively grammatical work and more to rapid reading and transla-

tion. From eight to ten books of the *Odyssey* are read—large portions of them at sight—and a just appreciation of their literary value is diligently sought. Four hours a week; Fall term.

2. *Greek Mythology*. This course is intimately associated with course 1, and is supplementary to it. Topics suggested by the reading of Homer receive full consideration. A systematic and thorough study of the subject is made by the use of Gayley's *Classic Myths* as a text-book, and various works of reference. One hour a week; Fall term.
3. *Lysias*. Selected orations are read, accompanied by a thorough review of Attic forms and syntax. Four hours a week; Winter term.
4. *Prose Composition*. The translation of English exercises based upon the text of Lysias constitutes the main work of this course. One hour a week; Winter term.
5. *Plato*. The *Apology* and *Crito* are read, and in connection with them many passages from other works which bear upon the subjects treated. A brief outline of the History of Philosophy is also given. Five hours a week; Spring term.
6. *Xenophon*. As a supplement to course 5, portions of the *Memorabilia* are read, either before the reading of the *Apology* and *Crito*, or in connection with it, thus affording the opportunity to study the character of Socrates from the standpoint of Xenophon as well as of Plato. Spring term.

ELECTIVE.

7. *Tragedy.* Selected plays of Euripides are read. The origin and development of the drama, its structure in its perfected form; the Attic theater, its construction, its maintenance, its place in the public and private life of the Athenians, are among the subjects treated by lecture, and also assigned to the student for special investigation. Two hours a week; Fall term.
8. *Tragedy.* This course is a continuation of course 7 and is devoted to the study of some of the plays of Sophocles and Æschylus. Two hours a week; Winter term.
9. *Comedy.* *The Clouds* of Aristophanes is made the basis of a study of the Greek Comedy, its history, form, and influence. The bearing of this drama upon Philosophy, and especially upon that of Socrates, is discussed. Representative passages from other comedies are also read. Two hours a week; Spring term.
10. *Oratory.* The translation of the *Philippics* is accompanied by the study of the history of the time, of the Athenian financial and military systems, and of the Athenian legislative bodies. The style of Demosthenes is the subject of careful study, several orations being analyzed and discussed as masterpieces of eloquence. Parts of Jebb's *Attic Orators* and *Primer of Greek Literature* are assigned for collateral reading. Two hours a week; Fall term.
11. *History.* Selections from Thucydides and other

Historians are read. Two hours a week; Winter term.

12. *Lyric Poetry*. The object of this course is to give some familiarity with lyric poetry. Selections are read from the best Elegiac, Iambic and Melic poets, such as Theognis, Mimnermus, Xenophanes, Sappho, Alcaeus, and Anacreon. Two hours a week; Spring term.

Courses 7, 8 and 9 will begin in 1896-97.

A course in Hellenistic Greek will be given if desired by a sufficient number of students.

Text-books for the Required Courses: Keep's Autenrieth's Homeric Dictionary; Perrin's Odyssey, Books V-VIII.; Teubner text of the Odyssey, Books I-XII.; Gayley's Classic Myths; Morgan's Lysias; Dyer's Plato's Apology and Crito; Winan's Xenophon's Memorabilia; Goodwin's Grammar; Liddell & Scott's Lexicon.

THE GERMAN LANGUAGE AND LITERATURE.

Courses 2a to 4b, inclusive, are required of all Philosophical Freshmen.

Courses 2a, 3a, and 4a are required of all Scientific Freshmen who have had a year of preparatory German. The above courses are also open to all students who are able to read at sight simple prose.

Course 1 is required of all Scientific Freshmen who have had no preparatory German; it is designed also as an elective for Classical students.

The works read vary from year to year, but for the ensuing year are detailed below. An effort is made

to give some familiarity with the classic works of Schiller, Goethe and Lessing, as well as the best representatives of contemporary German literature.

In addition to the works specified, others adapted for sight reading are used as opportunity offers. For those desiring to use German in scientific studies, a course of reading in Scientific German is given. While every recitation is to a large degree an exercise in the conversational use of German, a separate course is devoted to this subject in connection with the work of the Freshman year.

1. *Elementary German*. It is proposed to accomplish by this three-fifths course what is ordinarily accomplished by the full preparatory course. For the Fall term the text-book is Thomas's *Practical German Grammar*. This is followed by the reading and translation of easy German texts. Three hours a week; the entire year.
- 2a. *Nineteenth Century Writers*. Selections are read from Heyse, Storm, Stifter and others. Three hours a week; Fall term.
- 2b. *German Composition and Colloquial Exercises*. Harris's *German Prose Composition* is used as a text-book. The object of the course is to give as much practice as possible in writing and speaking German. Two hours a week; Fall term.
- 3a. *Schiller*. A study is made of one or more of the less difficult of Schiller's plays. Three hours a week; Winter term.
- 3b. *German Composition*. This course is a continuation of 2b. Two hours a week; Winter term.
- 4a. *Comedy*. This course affords an introduction to

German comedy, and is also valuable as giving an acquaintance with many modern colloquialisms. Three hours a week; Spring term.

- 4b. *Biography*. The reading of Becker's *Friedrich der Grosse*. Two hours a week; Spring term.

The following courses are open to all who have taken the preceding courses or their equivalent.

5. *Lessing*. Minna von Barnhelm or Emilia Gallotti. Two hours a week; Fall term.

6. *Goethe*. *Italienische Reise*. Two hours a week; Winter term.

7. *Scientific German*. Dippold's *Scientific German Reader*. Two hours a week; Winter term.

This course alternates with course 6.

8. *Historical German Grammar*. This course is based upon Behaghel's *Die Deutsche Sprache*. Two hours a week; Spring term.

9. *Historical German*. The reading of von Sybel's *Die Erhebung Europas gegen Napoleon I.* Two hours a week; Spring term. This course alternates with course 8.

ENGLISH AND ORATORY.

The work in English includes courses in English Literature, English Language, Rhetoric, Composition, and Elocution. The object is, first: to give the student command of the English language in speaking and writing; second: to teach him to understand and then to appreciate the essential principles of English Literature and the main course of its development.

REQUIRED.

1. *Composition and Rhetoric.* Exercises in Paragraph writing, and study of the elements of Rhetoric. Genung's *Practical Elements of Rhetoric*, and Scott & Denney's *Paragraph Writing*. Two hours a week.
2. *Elocution.* Practical drill in delivery of declamations, in debating, and in reading aloud. One hour a week; Fall and Winter term; Freshman year.
3. *Higher Rhetoric.* This course considers the essentials of Literature, from the point of view both of Rhetoric and criticism. It forms a basis for the more extended study of English Literature in the following year. Sherman's *Analytics of Literature*. Three hours a week; Sophomore year.
4. *English Literature, including American Literature.* This study will consist of an analysis of writings and a comparative estimate of their merit and influence. Certain authors will be selected for more critical study, and students will be called upon for original reviews and criticisms. Five hours a week; Winter and Spring terms; Junior year.
5. *Oratory.* The work in this course consists partly of individual drill in the composition and delivery of orations, and partly of the study of the work of noted orators. Baker's *Specimens of Argumentation*. One hour; Fall and Winter terms; Junior year.

ELECTIVE.

6. *Anglo-Saxon*. This course is an introduction to Anglo-Saxon prose, and to the easier poetry. It is open to students who have had courses 1 and 2. Bright's *Anglo-Saxon Reader*. Two hours a week; throughout the year.
7. *Shakespeare*. This course considers two plays, a tragedy and a comedy, in detail. Others will be studied more generally. In this and in the two following courses considerable outside reading is required. Open to those who have had courses 1, 2 and 3. Five hours a week; Fall term.
8. *The Georgian Poets*. Coleridge, Wordsworth, Byron, Shelley and Keats will be studied; the aim being to present a comprehensive view of the period. Open to those who have had course 7. Five hours a week; Winter term.
9. *Tennyson and Browning*. A study of the poetry of the last half century. Open to those who have had course 7. Five hours a week; Spring term. Alternating with courses 7, 8 and 9 are 10 and 11 which will be given in 1896-7.
10. *Chaucer and Middle English*. This course traces the history of the language from the Norman Conquest, and studies the Canterbury Tales. The aim is largely linguistic. Open to those who have had courses 1, 2 and 3. Five hours a week; Fall term.
11. *The Development of English Prose*. Beginning at the end of the Middle English Period, this course traces the growth of Prose Style to the present

- time. Open to those who have had course 10. Five hours a week; Winter and Spring terms.
12. *Oriental und Classical Literature.* A comparative study. Open to those who have had course 4, and the required courses in History. Written and extempore discussions will be frequently called for. Three hours a week; Winter term. Two hours a week; Spring term.
13. *Minor Elizabethan Dramatists.* A study of the Elizabethan Drama, designed partly as a presentation of the 16th Century in England, and partly as a setting for Spakespeare. Open to those who have had courses 1, 2 and 3. Three hours a week; Spring term.
14. *Nineteenth Century Essayists.* This course will consider the work of five or six representative authors, and also the history of periodicals during the century. Open to those who have had courses 1, 2 and 3. Three hours, Spring term; alternating with course 13. Course 13 will be given in 1896-7.

SCIENCES.

The object of the Science work is to render the student familiar with typical forms of both plant and animal life, also with forms so related to these that the law of evolution in nature is clearly placed before the student's mind.

The greatest possible benefit a student may derive from this work is careful, exact, systematic work, keenness of observation, clear, unprejudiced discrim-

ination and logical conclusions regarding natural laws developed in the Laboratory.

Each student is required to keep a series of systematic note books in each line of work, showing observations, experiments, and their results, or his own conclusions. These courses in text, references and Laboratory training, prepare the students first of all to become broad-minded, careful thinkers; they also prepare for special work in the technical schools in Botany, Zoology, Biology, Chemistry and Geology; they are especially adapted to the students intending to prepare for medical schools, and for those fitting themselves for science teaching, either in high schools or colleges.

The courses designed especially for agricultural students are of great importance.

EQUIPMENT.

The College is well equipped with Bausch and Lomb microscopes in number sufficient to supply each pair of students.

Proper material for preparing and mounting histological slides is kept constantly on hand.

A large Bullock microscope with micrometer adjustments and Zeiss objectives is used for the finest work, as in Bacteriology.

The Chemical Laboratory possesses the usual equipment, accommodating twenty students with individual desks.

A large list of reference books is at the command of the student, including a complete set of Smithsonian contributions, miscellaneous collections and re-

ports, a full set of the American Journal of Science, and various other valuable reports from the Coast and Geodetic Survey, the Geological survey, the Ethnological Reports and Natural History Surveys.

Constant additions are made to apparatus and books; current periodicals are kept on file, as Science, The American Naturalist, the American Journal of Science, Astronomy and Astro-Physics, Botanical Gazette, Microscopical Gazette, and others.

COURSES IN DETAIL.

BIOLOGY.

1. *Elementary Biology: Parker.* This is a course of text-book work, taking up the Amoeba, Haematococcus, Heteromita, as typical of three classes of organisms. These are then compared with the constituent parts of the higher animals and plants, showing essential points of resemblance and difference. Advancing from these, Vorticella, the Foraminifera, Diatomaceæ, Mucor, Algae, Agaricus, Nitella, the Hydra and Hydroid Polypes, Polygordius, Starfish, Crayfish, Fresh-water Clam, Dog-fish, Mosses, Ferns, and the higher Angio-sperms are taken up in their successive and natural order, to show the law of differentiation with the increase in complexity of structure. Besides, the embryology of several of the preceding is studied, in order to show the foundation of the law of Evolution. Two hours, throughout the year.

2. *Elementary Practical Biology: Huxley and Martin* for Fall and Spring terms; *Parker's Zootomy* for the Winter term. This is exclusively a course of Laboratory work, throughout the year. Beginning in

the Fall term, investigations are made on as many of the lower organisms as can possibly be obtained. The work advances to the dissection of the Cray-fish, Earth-worm and Fresh-water Clam. In the Winter term the Fish, Pigeon, and the Cat are dissected. In the Spring term, the Frog, the Fern and higher Angio-sperms, are each carefully dissected in turn. This supplements course 1. Three hours. These two courses are required of Scientific Freshmen.

BOTANY.

1. *General Morphology and Classification: Vines.* This work begins with the classification of compositae, ferns and grasses in the Laboratory, followed by text-book and laboratory work upon Cryptogamic Botany. The student is familiarized with typical plants belonging to Thallophytes, Algae, Fungi, Mosses, Vascular Cryptogams and finally Spermatophytes. Two recitations and ten hours laboratory work weekly are required. Five hours; requires Biology courses 1 and 2. This course will be offered in 1896 and 1897.

2. *Histology of Plants: Hillhouse and Strassburger.* This is a course of thorough microscopic investigation upon plants showing typical cells, their modifications, contents and arrangement into great tissue systems. The student begins with the structure of a single typical cell, studies cell contents, protoplasm with the nucleus, starch grains, crystals, oil, chromatophores and aleurone grains; learns the modification of these cells into stomata, plant hairs, fibro-vascular bundles, cork cells and various wood tissues. One recitation and ten hours laboratory work weekly re-

quired. Five hours; requires Biology courses 1 and 2.

3. *Economic Botany: DeBarry*. This is a course in the study of the structure, history and development of plants which are of economic value. One hour.

4. *Embryology of Plants*. This is a course of lectures and laboratory work on the development of certain typical plants, from the embryo to the mature plant. The seeds of these plants are germinated and the progress of their development is carefully studied both by external observation and microscopic sections. Two hours; requires Biology courses 1 and 2.

5. *Physiology of Plants: Vines*. This course takes up the structure and functions of the various organs and tissue systems of the plant, ending with the physiology of plant reproduction. The work begins with the structure and properties of the plant cell, namely cell wall, protoplasm, nucleus, vacuole and cell cap; following this is absorption, transpiration, food of plants, metabolism, growth, irritability, both of the plant and growing parts; finally reproduction. Five hours; requires Biology 1 and 2. This course will be offered in 1896 and 1897.

ZOOLOGY.

1. *General Morphology and Classification: Claus & Sedgewick, and Jordan's Manual of Vertebrata*. This course takes up typical animals of the various classes, orders, genera, and species, shows their relationship, through modified appendages, organs or other structures, in order to develop the principles of classification. In the laboratory, typical vertebrate animals be-

longing to Pisces, Aves, and Mammalia are classified and their relationships detailed by the students. Five hours; requires Biology courses 1 and 2. Will not be offered in 1896 and 1897.

2. *Histological Zoology: Schafer's Essentials of Histology.* This course begins with a series of lectures upon the construction, use and manipulation of the microscope, methods of staining, of mounting and recognition of tissues. The work begins with single cells, shown in the blood corpuscles of higher vertebrates. Comparative study is made of the corpuscles of reptiles, birds, fish and mammals. The student then learns the tissue systems, namely epithelium, areolar and adipose tissues, articular and costal cartilages, bone, muscles, nerve cells and nerve fibers. The work then passes to the grouping of these tissues into organs. Five hours; requires Biology 1 and 2. Will be offered in 1896 and 1897.

3. *Systematic and Economic Entomology: Smithsonian and Experimental Station Reports.* This is a thorough course of study upon noxious and beneficial insects, their habits, diseases, methods of protection or destruction, with a thorough course in classification of all insects obtainable. Three hours; requires Zoology 1. Will be offered in 1896 and 1897.

4. *Comparative Embryology.* This course consists of a series of lectures on general vertebrate embryology, showing essential points of resemblance in order further to develop the principles of relationship and classification. Laboratory work will be done upon the embryology of the frog, chicken, and as

many other vertebrates as can possibly be obtained. Two hours; requires Biology 1 and 2.

5. *Human Physiology: Martin's Human Body*. A course of anatomy, physiology and hygiene of the human body. Work is supplemented with lectures and study of specimens. Three hours; Fall and Winter terms. Will be given in 1897 and 1898.

GEOLOGY.

1. *Physiography: Ritter's Comparative Geography, Guyot's Physical Geography, Wallace's Island Life*. A study of earth forms, and the laws producing or affecting them, embracing Dynamical Geology, also the distribution of animal and plant life upon the globe, and the laws which govern it. One hour.

2. *General Geology and Paleontology; LeConte's Elements of Geology*. This is a thorough course in the geology of the earth, taking up dynamical, structural, and historical geology. Beginning with the agents which work now upon the face of the earth, it shows their present effect. Advancing to the structure of the earth it shows how these same agents have been at work throughout all time. Historical Geology takes up the pre-historic distribution of plant and animal life, shows the conditions which must have prevailed during their existence, explains the succession of higher and higher types from the earliest Archean times, throughout the Palaeozoic, Mesozoic, Cenozoic, up to the Psychozoic of present time. Three hours.

3. *Economic Geology: Tarr*. This is a course of research into the origin, method of deposit, and mining of the useful minerals and soils of the United

States. The course is supplemented by a series of readings from United States Geological Reports. Two hours; requires Geology 2. Will be offered in 1896 and 1897.

CHEMISTRY.

1. *General Chemistry: Freer's Chemistry.* This course is meant to familiarize the student with the properties of the elements and their compounds. It consists of two recitations and ten hours laboratory work per week, through the year. Three hours. Elective by Sophomores.

2. *Qualitative Analysis: Douglas and Prescott's Qualitative Analysis.* It consists of three recitations and ten hours of laboratory work per week through the year. Five hours. Elective by Juniors.

3. *Quantitative Analysis: Sutton.* This course pursues the volumetric method, and is quite extensive. It consists of two recitations and ten hours laboratory work weekly throughout the year. Five hours. Elective by Juniors and Seniors.

4. *Organic Chemistry: Remsen, Richter.* In this course a thorough study is made of some of the carbon compounds, both theoretically and in laboratory work. The course requires two recitations weekly and ten hours laboratory work. Five hours. Elective by Seniors and Juniors.

THE LATIN LANGUAGE AND LITERATURE.

The work in Latin is intended to give to the student a thorough knowledge of the structure of the language and such an acquaintance with Roman history, antiquities and literature as will lead to a correct

idea of the influence of Roman life and thought upon our own civilization. The work is partly required and partly elective. The required work includes five recitations weekly for one year. In addition to this the student may elect two hours weekly for a second year. The college library and that of the instructor contain the best critical editions, commentaries, monographs and works of reference. Students who have completed the course have taken high rank in the universities, and have made successful teachers.

THE REQUIRED WORK:—The attention of the student in the required work of the Freshman year (see pages 15 and 16) is directed chiefly to the structure of the Latin sentence and the subject of Latin style, as illustrated in the portions of Cicero, Livy and Horace read in the class room, and by constant practice in reading at sight and in the order of the original. The text-books used in this course in the year 1896-7 will be Kelsey's Cicero's Cato Maior and Laelius Greenough's Livy I and II, Smith's Odes of Horace, Allen & Greenough's grammar and Lewis's dictionary.

THE ELECTIVE WORK:—In the elective work the study of Roman literature is made prominent. Selections are read from a wide range of authors from Plautus to Suetonius. Courses 1 and 2 are offered for the year 1896-7.

1. Latin Comedy: The Captivi of Plautus and Phormio of Terence. Two hours weekly through the first half year; open to any who have taken the required work.

2. Latin Philosophy: Selections from Lucretius,

Cicero's *De Officiis*, and Seneca. Two hours weekly through the second half year.

3. Latin History: Selections from Cæsar, Nepos, Sallust, Tacitus, Suetonius, the development of historical composition. Two hours weekly through the first half year; open to Juniors and Seniors.

4. Latin Satire: Selections from Horace, Juvenal and Persius. Two hours weekly through the second half year.

5. Epistolary Latin: Selections from the correspondence of Cicero, Pliny and Seneca. Two hours weekly through the first half year; open to Sophomores, Juniors and Seniors.

6. The less known poets: Selections from Catullus, Ovid, Propertius and Tibullus. Two hours a week through the second half year, the complement of course 5.

FRENCH.

1. ELEMENTARY COURSE.

Joyne's *Minimum Grammar and Reader*. This is followed by the reading of easy prose selections in connection with which the more critical study of forms and syntax is pursued. Thorough drill in translation from English into French is given. Elective course, three hours a week; Fall term.

2. INTERMEDIATE COURSE.

The main object of this course is to give practice in rapid reading. For this purpose, selections are made from the works of the most enter-

taining authors. Elective course, three hours a week; Winter term.

3. ADVANCED COURSE.

Selected dramas of Victor Hugo and Moliere are read. In addition to these works, others of a simpler nature are assigned for private reading. Elective course, three hours a week; Spring term.

THE BIBLE.

A systematic course of study in the English Bible is offered each year, open to all students of the College. The purpose contemplated is to give the student a general knowledge of the Scriptures which shall be in some degree commensurate with his knowledge of other subjects. The course is one hour a week through the first and second terms, and will vary from year to year so as to enable the student to cover the Old and New Testaments in the four collegiate years. During the year 1895-6 the following courses were given:

Studies in the Gospel of Luke: Spears. Fall term.

Studies in the Gospel of John: White. Winter term.

During the Fall and Winter terms of the year 1896-7, studies in the Acts of the Apostles and the Pauline Epistles will be taken up.

SPECIAL COURSES OF STUDY

IN PREPARATION FOR PROFESSIONAL SCHOOLS.

The best preparation for the special schools of law, medicine, theology, engineering, etc., is that af-

forded by a regular college course; and the best professional schools are gradually raising their requirements for admission so as to approximate the usual requirements for a college degree. In all professional schools of national reputation the degrees of Illinois College are recognized as equivalent to those given by the best eastern colleges. The expenses of a student in Illinois College are very low—less than one-half as much as they are in eastern colleges or in most professional schools.

It is a great advantage therefore to a student if he can pursue his studies in college along such lines as will enable him to enter the professional school at an advanced standing. He can thus reduce the expenses of his course of study and also enjoy the great advantages for general culture afforded by the college. Several of the best professional schools have already indicated their willingness to give credit for work done in Illinois College in various departments of study. This will correspondingly shorten the time required to complete their courses and bring a liberal as well as a professional education within the reach of most young men. No student should willingly deprive himself of a full college education.

But there are some young men of ability and mature years who cannot afford to spend so much time and money in preparing *to begin* the work of the special schools. Though they know what is best, appreciate and covet it, they feel that they must content themselves with less, and hope by application and hard work to derive great benefit, if not the greatest possible benefit, from the professional school. To

these earnest students we commend the following special courses, in pursuing which they may feel that they are obtaining not only general discipline and culture, but also laying a broad foundation for professional study:

MEDICINE: Anatomy; Physiology; Biology; Zoology; Chemistry; Histology; Embryology; Botany; Psychology; English (Rhetoric, composition, critical study of authors); Physical Training.

LAW: History; Economics, Political Science; Psychology; Logic; Ethics; Constitutional Law; International Law; Latin; English (Rhetoric, composition, oratory, authors); Physical Training.

THEOLOGY: Latin; Greek; New Testament Greek; The English Bible; History; Psychology; Logic; Psycho-Physics; Ethics; Geology; English (Rhetoric, oratory, composition, authors); Physical Training.

ENGINEERING: Trigonometry; Analytical Geometry; Mechanics; Higher Algebra; Mechanical Drawing; Surveying; Differential and Integral Calculus; Laboratory Measurements; Theory of Heat; Theory of Light; Physics; Chemistry; English (Rhetoric, composition, authors); Physical Training.

DENTISTRY: Anatomy; Physiology; Biology; Chemistry; Physics; Histology; Mechanics; English (Rhetoric, composition, authors); Physical Training.

The time required by these special courses will depend largely upon the student's maturity and previous attainments. Subjects may be selected according to the requirements of each individual, and the courses may be more or less extended and complete, but thoroughness will be insisted upon in all cases.

The College offers short courses to meet special needs but will not encourage superficiality. It is especially recommended that in all special courses due emphasis be placed upon a thorough mastery of English.

The wisest observers are now agreed that students who are unable to pursue a full college course should take the early part of their professional or technical studies in a good college. The foundation will be broader and better laid. Students who go directly from the high school to the professional school make a great sacrifice. The college provides the conditions most favorable to growth and educates to self-reliant manhood. Its organization affords opportunities for general culture, together with the special lines of work which relate to one's profession.

Young men who intend to follow a profession, but who are unable for any reason to take a full college course, are invited to correspond with us with reference to the details of work in any of the above lines of study. The time spent here will generally shorten the period required in the professional schools.

PHYSICAL TRAINING.

The class work consists of both light and heavy gymnastics. Marching, dumb-bell, bar-bell, and Indian club drills constitute the greater part of the work of the Fall term. This work is continued during the Winter term. Much work is also done on the horse, on the parallel bars, and the horizontal bars; while exercises with the chest-weights and the sim-

pler movements on the ladder and rings are occasionally given throughout the year. The individual work, especially in heavy gymnastics, is varied to meet the requirements of each student under the direction of the instructor in physical training. Tennis courts, foot-ball and base-ball grounds afford ample opportunity for out-door exercise suited to each student.

PHYSICAL EXAMINATIONS.

Before entering upon the Gymnasium practice, each student is given a physical examination to ascertain his variation from the normal form and to discover physical defects, if they exist. These examinations are conducted by a skilled physician, and furnish the data for future work in the Gymnasium. It has already been found that students enjoy better health than before the Gymnasium was erected. The examinations, after a period of gymnastic drill, invariably show increase of muscular and vital force.

EXAMINATIONS, TESTIMONIALS AND DEGREES.

Whenever any branch of study has been completed, students may be subjected to a rigid examination upon it, oral or written, as the instructor shall judge most suitable. No testimonial of scholarship will be given, either by the authority of the institution or by any individual instructor, except as the result of such examination or its equivalent.

Any one who shall sustain such an examination on any one or more subjects will be entitled to a certifi-

cate of the same, duly authenticated by the authorities of the institution.

The degrees of Bachelor of Arts, Bachelor of Philosophy, and Bachelor of Science will be conferred, respectively, upon students who finish satisfactorily the Classical, Philosophical, or Scientific course. On completing the Agricultural Course, students will be encouraged to become candidates for the degree of Bachelor of Science, which they may do by remaining at the College and pursuing the studies of the Senior year in the Scientific Course.

The degree of Master of Arts will be conferred on Bachelors of Arts of Illinois College for three years' non-resident work, or one year's resident and one year's non-resident work, in one of the following subjects: Latin, Greek, Civics, Sociology, or Philosophy. For details, apply to the professor in charge of the subject selected.

The degree of Master of Science will be conferred upon Bachelors of Science of Illinois College for three years' non-resident work, or one year's resident and one year's non-resident work in one of the following subjects: Physics, Chemistry, Botany, Zoology, or Mathematics. For details apply to the professor in charge of the subject selected.

The degree of Doctor of Philosophy may be conferred upon graduates of this or other colleges who have been for at least two years engaged in special studies in advance of the usual course, under direction of the faculty, and who, in addition to a thorough examination in one or more related subjects shall

present theses embodying the results of their own research, which shall be satisfactory to the faculty.

In order to receive any of the above degrees, it is necessary that previous to commencement, application shall be made to the President, and the sum of \$5.00 paid to the Treasurer. No person will be recommended to the Trustees as a candidate for any degree or testimonial unless he has first settled all dues.

LIBRARIES.

The college library has been arranged and enlarged by the gifts of liberal friends of the College. In order that the students and friends of the institution throughout the community may have access to the literary treasures that have been gathered here, the Library is regularly opened on Tuesday and Friday afternoons for the drawing of books. A certain portion of this collection, however, including works of reference, is withheld from circulation, and retained in the building for convenience and safe-keeping. The Library now contains more than ten thousand volumes, and is well worthy of the attention of students. Advice and assistance in selecting courses of reading, which may be pursued in connection with their studies, will be given by the College Librarian to all who may desire.

In addition to the College Library, each of the literary societies has a collection of books of its own selection. The Sigma Pi Society Library comprises over two thousand volumes, and the Phi Alpha Society Library comprises seventeen hundred and thirty-five volumes. These figures do not include

pamphlets, or worthless books of any sort. For the ordinary purposes of the student, these libraries are much more serviceable than the College Library, which is, to a great extent, composed of the rarer and more costly works, books of reference, scientific treatises, etc. There is also a small library, containing about three hundred volumes, devoted mainly to theological and religious literature. We have, then, the following summary of the College Libraries:

College Library.....	10,300	volumes.
Sigma Pi Library.....	2,000	"
Phi Alpha Library.....	1,735	"
Religious Library.....	300	"
Philologian Library.....	140	"

Total.....	14,475	"
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LITERARY SOCIETIES.

The students sustain three Literary Societies, which, for the effective and thorough training which they furnish in debate, in the expression of thought and in parliamentary usage, are exceptionally excellent. They are not expensive organizations for good fellowship and conviviality, but are conducted solely with a view to giving their members valuable training in debate and other literary exercises. Regular attendance and the prompt performance of duties are secured to a much greater degree than is usual in such organizations. They are entirely free from all indebtedness, and the dues of each member vary from one to two dollars a year. These societies—the Phi Alpha, the Sigma Pi and the Philologian—hold their

meetings on Friday evenings, and students of Illinois College or Whipple Academy are eligible to membership. Each of the societies has a library—of which mention has been made above—and a commodious hall, tastefully furnished and devoted entirely to its use.

RELIGIOUS EXERCISES.

The institution is conducted as a Christian College. In the instruction of youth, those minor matters on which good men differ are not made subjects of dissension; but the faculty consider the great characteristic doctrines of Christianity as fundamental in morals, as the law of gravitation in physical science. These doctrines will be so treated on all occasions. Parents may rest assured that instructors will labor to cultivate not only scholarly tastes, but also Christian character in those committed to their care.

Daily religious exercises, consisting of reading the Scriptures, singing and prayer, at which some member of the faculty officiates, are held in the College Chapel. All students living on the college premises, and all other students whose duties require them to be at any college exercise during the hour immediately preceding or following prayers, are required to attend these exercises.

THE CHRISTIAN ASSOCIATION

of faculty and students was organized in 1882. In 1884 a large room in Sturtevant Hall was devoted to the uses of the association, carpeted and neatly furnished. Here, under the charge of students, are

held, on Sunday and during the week, various meetings for conference, prayer, missionary inquiry, and bible study. The influence of the association upon the religious life of the institution is most beneficent.

DISCIPLINE AND GENERAL RULES.

In case of deficiency in scholarship, negligence in study, irregularity in attendance upon the exercises of the institution, or improper conduct, the student will be promptly admonished, and his parent or guardian informed of the fact. It is the object of this arrangement to keep parents and guardians accurately informed with regard to their sons and wards in the institution, and thus secure their co-operation with the faculty in a mild system of discipline. Whenever it is ascertained that a student is deriving no advantage from his connection with the institution, or is pursuing a course injurious to himself or fellow-students, his parent or guardian will be promptly addressed on the subject, and requested to remove him from the institution.

Regularity in attendance upon college exercises is regarded as absolutely essential to the progress of the student, and visits at home, or elsewhere, which break in upon such duties, should be avoided as much as possible. Previous permission from the class officer in case of leaving the town will be insisted upon.

Students once entered are considered members of the college until graduated or regularly dismissed, and are therefore required to be present on the first day of each term, unless excused by the faculty.

Special attention is called to the following rules:

I. No student shall be considered a member of any college class who is deficient in a greater amount of work than is regularly finished in one college year, at the rate of one recitation per day.

II. For making up conditions, a student shall be allowed a definite period, to be fixed by the instructor, not exceeding two terms, the summer vacation counting as one term. But any student who enters college with the maximum number of conditions (see Rule I.) may be allowed until the first day of the first term of the next college year to remove them.

III. If any condition be not removed at the end of the allotted time, the student shall be required to take the study with a class, at the earliest opportunity, and such a study shall take the precedence of all other work. Failure to comply with this rule shall forfeit the student's membership in his class.

IV. Students who have lost standing in any class in accordance with Rule III. will not be allowed to pursue further studies with that class except for special reasons, and by unanimous vote of the faculty.

V. Students will not be allowed to take more than the usual number of studies, or be passed in any study by examination alone, except for special reasons, and by vote of the faculty.

DIVISION OF THE YEAR.

The college year is divided into three terms, as follows:

The FIRST TERM begins on the second Tuesday in September, and ends on the Friday before Christmas.

The Christmas recess begins on the day after the First Term closes, and continues about two weeks.

The SECOND TERM begins on the Tuesday after New Year's day, and continues eleven weeks.

The THIRD TERM begins at the close of the Second Term, and continues till COMMENCEMENT, which occurs on the second Thursday in June.

The SUMMER VACATION extends from Commencement to the second Tuesday in September.

EXPENSES.

The charges payable to the College Treasurer are as follows:

Tuition for First Term.....	\$21.00
“ “ Second Term.....	16.00
“ “ Third Term.....	13.00

The above figures include all regular charges. There are no incidental expenses except for materials actually used in laboratory work.

Room Rent in Crampton Hall, First Term....	\$10.00
“ “ “ “ Second Term..	10.00
“ “ “ “ Third Term....	8.00

The charge for room rent includes fuel, as Crampton Hall is heated by steam.

Tuition and room rent will be collected by the term. No smaller division of the year will be recognized. For private examinations a special fee of two dollars is charged.

Each student occupying rooms in Crampton Hall is required to deposit with the Treasurer five dollars, at

the beginning of each term, to be applied by him to the payment of gas bills and damages during the term. Any money not so applied will be returned to the student at the close of the term, or at such time as the student may have leave of absence for the remainder of the term.

Students vacating rooms for any cause are required to remove their furniture within one week.

Crampton Hall is lighted with gas, each room being supplied with a meter, so that its occupants pay for exactly what they consume. The expense for gas for each student averages twenty cents per week.

Payment is required in advance for each term, but not with the intention of excluding any worthy student who is really unable to comply with this regulation. If any student is unable to pay in advance, he will call immediately on the President, state his case to him, and obtain from him a permission to the Bursar to grant such indulgence as the case may seem to require. On receiving such permission, the Bursar may settle with the student in accordance therewith, and grant him the certificate necessary to admit him to recitation.

BOARD.

Students may obtain board at the College Commons. This is well supplied by the college with all the necessary table and other furniture, and the students obtain good board at its actual cost. The price of board is estimated at \$2.40 per week. The cost of board in private families, with furnished room, per week, is from \$3.50 to \$4.50. It will thus be seen that the entire

ANNUAL COLLEGE EXPENSES

of a student who rooms in Crampton Hall are as follows:

Tuition.....	\$50.00
Room Rent.....	28.00
Light.....	7.40
Board.....	88.80
Text Books and Society Fees, average.	15.00

Total.....\$189.20

Of other personal expenses, as for washing, clothing and traveling, no estimate can be made. These depend upon the tastes, habits and economy of the student.

IN CRAMPTON HALL

the annual expense has been reduced to a rate so low as to bring a thorough collegiate education within the reach of any young man of ability and energy. The accommodations are far superior to those of ordinary college dormitories. Each suite of rooms, consisting of a study room fifteen feet square, and a bedroom eight by twelve, is occupied by two students. The study room is furnished with a large study table, and the bedroom with a double woven wire mattress bed, as permanent articles of furniture. Other articles of furniture, such as chairs, washstands with appurtenances, and bedding, are furnished by the students themselves at light expense, especially as in many cases they may be brought from home.

Choice of rooms is given by seniority to the College classes, and subsequently to students of Whipple

Academy, in the order of application; provided, that if any benefactor of the college has a memorial room in the building, he is entitled to locate his son or near relative in such room. Application for such places should always be made in advance, that the rooms may be reserved. Early application should be made by those wishing to secure rooms in Crampton Hall, as the building is usually full at the opening of the college year. A deposit of two dollars is required of each student in order to secure a room, and the same is deducted from the rent of the following term; but is forfeited in case the room is not occupied by such student.

THE NEW GYMNASIUM.

Through the generosity of past and present students and other friends of the institution, a large and tasteful building, carefully designed for gymnasium uses, has been erected and equipped at a cost of over twenty thousand dollars. Facilities unequalled at present by those of any other college gymnasium in the state can now be offered. Regular exercise will be prescribed and directed by a competent instructor. No student's health is properly guarded, no education is complete without wise physical training. Its aim is to reveal and remedy individual weaknesses, to increase vigor and to secure a bodily reserve for the mental strain of life. To the gymnasium many attractions will be added to make a popular yet safe resort in leisure hours. Among other features will be a memorial room for pictures and relics connected with the history of the college. A collec-

tion of these is begun, and its growth in size and interest will depend upon the active co-operation of students and alumni.

SCHOLARSHIPS.

The trustees would call the attention of young men of limited means to the following statement of scholarships, founded by benevolent individuals:

The HUBBARD SCHOLARSHIP, entitling one student to enjoy the privileges of the institution free of charge.

The ELLIS SCHOLARSHIPS, securing a like privilege to two students, and paying part of the bills of a third.

The BARSTOW SCHOLARSHIP, the WOLCOTT SCHOLARSHIP, and the HOLMES SCHOLARSHIP, each securing the privileges of the institution to one student.

The ABEL SCHOLARSHIPS, offering free tuition to two students preparing for the ministry.

All these funds are designed by their generous founders to aid young men of promising talents in obtaining a thorough classical education at the college. None will be permitted, in any case, to enjoy the benefits of them who are not of good moral character, of decidedly promising talents and attainments, and in such circumstances as to need aid in defraying the expenses of their education; nor any who belong to secret societies, or use tobacco, or who do not comply with the regulations of the institution. Incumbents falling below an average grade of 80 per cent. or below 70 per cent, in any study, will forfeit their scholarships. An honorable dismissal will not be given to any holder of a scholarship until he has either completed the course of study required for the de-

gree of Bachelor of Arts, or has refunded whatever he has received from his scholarship, with interest. But if he honorably completes the course of study, he is released from all obligations to refund what he has received.

PRIZES.

A fund of two hundred and fifty dollars has been given to the College by Mr. H. H. HALL, of Jacksonville, the annual income of which will constitute a first prize of ten dollars and a second prize of seven dollars for orations by members of the Junior class.

A fund of one thousand dollars has been given by MR. THOMAS SMITH, of Hartford, Conn., the income of which, for the coming year, will be applied as follows:

A first prize of fifteen dollars and a second of ten dollars, for declamations of English prose by members of the Freshmen class.

A first prize of ten dollars and a second of five dollars, for English compositions by members of the Sophomore class.

A prize of fifteen dollars for the best standing in the mathematics of the Freshman year.

It is expected that the HALL PRIZES and the SMITH PRIZES will be expended for books subject to the approval of the faculty.

A prize of twenty-five dollars has been founded by REV. W. E. CATLIN, of the class of 1845, and named the IRELAND PRIZE, in honor of his classmate, the Rev. Wm. Ireland. It will be awarded annually to that member of the Senior class who presents the best

paper on some subject in connection with the department of mental and moral philosophy.

Donors, who wish their names withheld, have established a first prize of twenty-five dollars, and a second prize of fifteen dollars, for the best and second best summaries of the doctrines taught in the course of philosophical lectures for the current year by Professor Hiram K. Jones.

The above named prizes are offered each year to the several classes. The faculty is authorized, however, to withhold the prizes in any instance in which reasonable competition is not manifested by the members of the class entitled to compete.

No student will be allowed to compete for a prize in studies which he does not pursue with his class at the regular time.

SCHOLARSHIP PRIZES.

Illinois College offers the following scholarship prizes for the ensuing year, to be awarded at the examination for admission, September 7 and 8, 1896:

1. A scholarship prize of forty-five dollars (\$45.00) to the student who shall obtain at the examination for admission the highest average in all the subjects required for admission to the Freshman class in the Classical course of study.
2. A scholarship prize of forty-five dollars (\$45.00) to the student who shall obtain the highest average in all the subjects required for admission to the Freshman class in the Philosophical course of study.
3. A scholarship prize of forty-five dollars (\$45.00)

to the student who shall obtain the highest average in all the subjects required for admission to the Freshman class in the Scientific course of study.

4. A scholarship prize of fifteen dollars (\$15.00) to the student who shall pass the best examination in the English required for admission to the Freshman class.

5. A scholarship prize of fifteen dollars (\$15.00) to the student who shall pass the best examination in the Mathematics required for admission to the Freshman class.

6. A scholarship prize of fifteen dollars (\$15.00) to the student who shall pass the best examination in the Latin required for admission to the Freshman class in the Classical and Philosophical courses.

7. A scholarship prize of fifteen dollars (\$15.00) to the student who shall pass the best examination in the Greek required for admission to the Freshman class.

8. A scholarship prize of fifteen dollars (\$15.00) to the student who shall pass the best examination in the Natural Science required for admission to the Freshman class.

SPECIAL PRIZE.

In order to emphasize the importance of a college training and direct attention to its value, a friend of higher education authorizes the offer of a prize of \$25.00 for the best essay on "The Value of a College Education." All essays in competition for this prize

must be sent to the President of Illinois College on or before September 1, 1896. The committee of award will consist of three persons selected from the faculty of Illinois College, and their decision will be announced about October 1, 1896. The writer of each essay submitted must be a member of the senior (graduating) class of a high school during the school year 1895-96, and at the time of the award must be a student in Illinois College or Whipple Academy.

Each essay should be limited to 1500 words, and should be signed with a fictitious signature and accompanied by a sealed envelope containing the writer's name and the name of the school which he attended during the year 1895-96. The prize will be paid in money as soon as the award is determined.

It is hoped that this prize will help to promote a closer relation between the college and the secondary schools.

APPOINTMENTS FOR COMMENCEMENT.

JUNE 13TH, 1895.

Willard Hayes Garrett, <i>Valedictory, Philosophical Oration</i>	Mendon, Ill.
Eo Briggs Nash, <i>Salutatory, Philosophical Oration</i>	Jacksonville, Ill.
George Wood Govert, <i>Philosophical Oration</i>	Quincy, Ill.
Levi Stevens Doane, <i>Philosophical Oration</i>	Jacksonville, Ill.

PRIZES AWARDED SINCE THE PUBLICA-
TION OF THE LAST CATALOGUE.

JUNIOR EXHIBITION—HALL PRIZES.

Orations—

- 1st Prize—Rupert Franz Asplund, '96.
2d Prize—Arthur Boyce Fairbank, '96.

SMITH PRIZES.

Composition—

- 1st Prize—Edgar Howard Sturtevant, '97.
2d Prize—Frederick Joy Fairbank, '97.

Declamation—

- 1st Prize—Frederick Chauncey Tanner, '98.
2d Prize—William Walter Moore, '98.

Mathematics—

William Lester Wemple, '98.

IRELAND PRIZE.

Levi Stevens Doane, '95.

PHILOSOPHY PRIZES.

- 1st Prize—Willard Hayes Garrett, '95.
2d Prize—Eo Briggs Nash, '95.
3d Prize—Levi Stevens Doane, '95.

WHIPPLE ACADEMY.

Under the direction and management of the trustees of Illinois College, but maintained as a separate and distinct institution, Whipple Academy offers superior advantages in preparation for college, or training in English branches.

COURSES OF STUDY.

The following courses are maintained:

I. College Preparatory Courses: Classical, Philosophical, and Scientific.

II. An Elective Course, for those not wishing to prepare for college, but desiring a thorough drill in special subjects of their own choice.

III. An English Course, affording a careful training for the College Preparatory Courses, with classes also especially adapted to those desiring a good common school education, and those preparing to teach.

I. THE COLLEGE PREPARATORY COURSES.—These courses are designed to afford a complete preparation for the best colleges.

1. THE CLASSICAL COURSE.—This course covers three years, and includes a thorough training in Latin and Greek; Higher English, including Rhetoric, and a careful study of a few English and American Classics; Mathematics, including Higher Arith-

metic, elementary and advanced Algebra, and Plane Geometry; Botany, and Ancient History.

2. THE PHILOSOPHICAL COURSE.—This course covers three years, and includes the same work as the Classical Course in Latin, Higher English, Ancient History, and Mathematics; and gives, in the place of Greek, work in elementary science, including Botany, Zoology, Physics with laboratory work, Physiology; and a year's study of German.

3. THE SCIENTIFIC COURSE.—This course covers two years, and includes Algebra, Geometry, Rhetoric, studies in English and American literature; one year of German or Latin; Physics with laboratory work, Physiology, Botany, Zoology, and Ancient History.

II. THE ELECTIVE COURSE.—Students not wishing to prepare for college are allowed to select such studies as they desire from the regular courses, and receive the diploma of the Academy after completing the equivalent of two years of work above the common branches. This course meets the wants of a large class of young men who wish to prepare themselves thoroughly to begin the study of some special profession, or to get ready for teaching or for business, but who have not the time or the means for a college education.

A COURSE SPECIALLY ARRANGED FOR TEACHERS.—Classes will be arranged each term for the benefit of teachers who wish to review their studies, and to prepare for examinations for first or second grade certificates. In the Winter and Spring terms a class will be formed for the study of Pedagogy, in which special attention will be given to the illustration and dis-

cussion of the best methods of teaching and discipline. Compayre's History of Pedagogy and Compayre's Lectures on Teaching will be used as textbooks, and supplemented by lectures, by suggested collateral reading, and by class discussions.

III. THE ENGLISH COURSE.—Experience shows that many students fail in their preparatory or college work because of insufficient knowledge of the elementary branches. These subjects are poorly taught in many schools, and boys of thirteen years old and upwards frequently attend their home schools for years without making much progress. Many persons have sent such pupils to Whipple Academy, and have been pleased with the work done here. Besides these, many young men, whose early opportunities have been slight, wish a more rapid and thorough review of the English branches than they can get in the common schools. Many students are prepared to take advanced work in some studies, but need to review one or two of the elementary branches.

For the accommodation of all of these persons, the Academy offers one or more classes each term in the following subjects: Arithmetic, English Grammar, Geography, United States History, Civil Government, Reading, with frequent compositions, Spelling and Penmanship. Business Correspondence and Bookkeeping are also taught without extra charge.

The courses of study in the Academy have been greatly extended, and it is believed that there is now offered an arrangement of studies and a choice of courses equal to those of the best secondary schools in the country. The work in Greek and Latin is up

to the highest standard. More than usual attention is paid to Higher English, ample time is given for a thorough mastery of the necessary branches of Mathematics, provision is made for a good foundation for future work in Science, and a year's work in German is added. In addition to the valuable drill afforded by the Academy literary society, regular training is given in composition and declamation throughout the entire course, by the College Professor of English and Oratory.

Boys under thirteen years old are not admitted to the Academy except by special arrangement with the Principal. Students are assigned to such classes as they are found, by careful examination, to be best fitted for. Testimonials of character and standing in the last school attended are desired, and when these are clear and satisfactory, no examination will be required; but students thus admitted will be regarded as on trial, and may be dropped at any time from classes in which they do not perform satisfactory work.

Outline of Courses of Study.

ENGLISH COURSES.

Regular.	Special.	Teachers'.
FALL TERM.		
Arithmetic.	Arithmetic.	Advanced Arithmetic.
English Grammar.	English Grammar.	Advanced Grammar.
U. S. History.	U. S. History.	Physiology.
Penmanship.	Penmanship.	Penmanship.
WINTER TERM.		
Arithmetic.	Arithmetic.	U. S. History & Geography.
English Grammar.	English Grammar.	Zoology.
U. S. History & Geography.	Bookkeeping.	Physics.
Penmanship.	Penmanship.	Pedagogy.
SPRING TERM.		
Advanced Arithmetic.	Advanced Arithmetic.	Advanced Grammar.
Advanced Grammar.	or	or
or	Advanced Grammar.	Ancient History.
Latin Lessons.	Civil Government.	Botany.
Civil Government.	Bookkeeping.	Physics.
Penmanship.	Penmanship.	Pedagogy.

One hour a week through the year in Composition and English Literature is required of all students.

Certificates of honor will be given to all who pass with a grade of at least 85 per cent. in all the studies of any of these courses.

PREPARATORY COURSES.

Classical Course. Philosophical Course. Scientific Course.

JUNIOR YEAR.

FALL TERM.		
Latin Lessons.	Latin Lessons.	Physiology.
Algebra.	Algebra.	Algebra.
Elementary Rhetoric.	Elementary Rhetoric.	Elementary Rhetoric.
WINTER TERM.		
Latin Lessons.	Latin Lessons.	Physics.
Algebra.	Algebra.	Algebra.
English Literature.	English Literature.	English Literature.

SPRING TERM.

Latin: Cæsar.	Latin: Cæsar.	Botany.
History: Eastern Nations and Greece.	History: Eastern Nations and Greece.	History: Eastern Nations and Greece.
Botany.	Botany.	Physics.

One hour a week in Composition and English Literature is required of all students through the Spring term.

MIDDLE YEAR.

FALL TERM.

Latin: Cæsar and Composition.	Latin: Cæsar and Composition.	The Scientific Course is finished in two years. See Senior Year.
Roman History.	Roman History.	
Greek Lessons.	Physiology.	

WINTER TERM.

Latin: Cicero and Composition.	Latin: Cicero and Composition.
Geometry.	Geometry.
Greek Lessons & Anabasis.	Physics.

SPRING TERM.

Latin: Cicero and Composition.	Latin: Cicero and Composition.
Geometry.	Geometry.
Greek: Anabasis and Composition.	Physics.

One hour a week in Composition and English Literature is required of all students through the year.

SENIOR YEAR.

FALL TERM.

Latin: Vergil.	Latin: Vergil.	Latin or German.
Greek: Anabasis and Composition.	German.	Roman History.
Advanced Algebra.	Advanced Algebra.	Advanced Algebra.

WINTER TERM.

Latin: Vergil.	Latin: Vergil.	Latin or German.
Greek: Homer's Illad.	German.	Geometry.
Greek History and Classical Geography.	Zoology.	Zoology.

SPRING TERM.

Latin: Cicero and Composition.	Latin: Cicero and Composition.	Latin or German.
Greek: Homer's Illad.	German.	Geometry.
Advanced Algebra.	Advanced Algebra.	Advanced Algebra.

One hour a week in Declamation and Composition is required of all students through the year, and an essay each term for the Fall and Winter terms.

Scope and Methods of Instruction.

The following statements are made to explain the scope and methods of instruction in the various subjects of study:

GREEK.

The study of Greek is begun in the Middle year and continues two years. In the first year Gleason & Atherton's First Greek Book is used, the first two terms being devoted to thorough drill in forms, vocabularies and simple syntax, accompanied by daily practice in oral and written translation from Greek into English and English into Greek. In the third term Book I. of Xenophon's Anabasis (Kelsey) is read and reviewed with daily exercises in Prose Composition (Woodruff) and special attention to irregular verbs and syntax.

In the Senior year Books II., III. and IV. of the Anabasis are read and carefully reviewed with a continuation of the work in Woodruff's Composition. This work which occupies the first term and a few weeks of the second is followed by the reading of three books of Homer's Iliad (Seymour) with study of Homeric forms, scansion and mythology.

PEDAGOGY.

A course in Pedagogy is offered to students of the

Teachers' course continuing through the Winter and Spring terms. It aims to give a knowledge of the history of education, of the lives and methods of noted educators, of mental processes and the laws relating to mental growth and the development of mental power, and to assist in the formation of just opinions on theories and methods of teaching, and of school management. Compayre's History of Pedagogy and Compayre's Lectures on Teaching will be used as text-books, and these will be supplemented by lectures, by suggested collateral reading, and by class discussions of methods of teaching and systems of education.

BIBLE STUDY.

The courses of study in the English Bible offered to College students are open to mature students of the Academy, and these are not only permitted to take up the work but are advised to do so. The course aims to give a good general knowledge of the character and contents of the Scriptures, using the Bible as a text-book, and supplementing it by lectures and suggested collateral reading. The course in 1896-97 will be in the New Testament, and will take up studies in the Acts of the Apostles and the Pauline Epistles. One hour a week through the Fall and Winter terms.

ANCIENT HISTORY.

In the Spring term of the Junior year, Myers's Eastern Nations and Greece is studied; in the Fall term of the Middle year, Allen's Short History of the Roman People; and in the Winter term of the Senior

year, Wilkin's Roman Antiquities, Mahaffy's Old Greek Life, and Tozer's Classical Geography.

The object of the course is to prepare the student for the study of Mediæval and Modern History, and to furnish a basis for the study of Political Economy and Constitutional Development. In addition to the work of the text-book, lectures are given, and other reading suggested and topics assigned for special study and investigation.

LATIN.

The course in Latin extends over three years, and aims to give the student a thorough knowledge of forms, syntax and prosody, and accuracy and facility of translation. While the course is arranged primarily with a view to fitting students for Illinois College, it is believed that the work is sufficiently thorough and the course sufficiently extensive to insure admission to any American college.

In the first year, two terms are given to the study of Etymology, Tuell and Fowler's First Latin Book being the text-book. Free use is made of blackboards, and the progress of the students tested by frequent written examinations. In the Spring term, Cæsar is begun, the class using Johnston's revision of Lowe and Ewing's Cæsar, studying the introduction, and reading thirty chapters of Book I., and all of Book II. In connection with this there is daily practice in writing Latin, using Rigg's Prose Composition, and a thorough study of all grammatical references, using Allen & Greenough's Grammar.

In the second year, Cæsar is continued, the class reading Books III. and IV. and reviewing the whole. Prose Composition is kept up, and the First Latin Book is thoroughly reviewed. In the Winter term Cicero is begun, the class using Johnston's Cicero, and the four orations against Catiline are read. In the Spring term two other orations of Cicero are read.

In the third year, Vergil occupies the first two terms, six books being read and reviewed. Careful attention is given to scanning, and to the explanation of grammatical, mythological, and historical references. Greenough's Vergil and Whiton's *Auxilia Vergiliana* are the text-books used. In the Spring term two more of Cicero's orations are read.

The course thus includes a very thorough drill in Latin Grammar and Composition, four books of Cæsar, eight orations of Cicero and six books of Vergil.

MATHEMATICS AND PHYSICS.

1. *Elementary Algebra: Collin's Text Book of Algebra.* This work is aimed to carry the pupil through quadratics, in an elementary way, and to so familiarize him with the mechanical processes that he can do them with ease, and thus be ready for the deeper study of advanced algebra. Fall and Winter terms.

2. *Advanced Algebra: Jones's Drill Book in Algebra.* This course is meant to fit the student for good, thorough work in college. It goes to the root of the subject, and at the same time gives ability to solve all problems likely to arise. The work is entirely modern. Fall and Spring terms.

3. *Plane Geometry: Van Velzer and Shutt's Geometry.* This subject is treated by the suggestive method. It is a valuable combination of reasoning and a study of the elementary properties of space. Winter and Spring terms.

4. *Elementary Physics: Gage's Elements.* This course is a combination of recitations, problems, and laboratory work. The experiments by the pupil are all *quantitative* in character. They are designed to furnish an experimental basis for the laws and facts of physics. The work includes two hours laboratory time per week and writing up of notes. Winter and Spring terms.

GERMAN.

The aim of this course in German is to enable the student to read at sight simple prose, and to afford him considerable familiarity with the forms and vocabulary of ordinary conversation.

FALL TERM:—The work of this term is based largely upon Fischer's *Essentials of German*. Accompanying the study of syntax is daily practice in oral and written translation from English into German. The student is accustomed to the sound of the German, and is required to give the utmost attention to securing a correct pronunciation. The reading of simple selections from Whitney's *Introductory German Reader* is early introduced, together with the memorizing of short stories and poems. The formal study of the grammar is continued through the term, during which the elements of *étymology* and syntax are acquired.

WINTER TERM:—The reading and translation of the more advanced portions of Whitney's Reader occupy a large part of this term. The work of acquiring a vocabulary is emphasized. Facility in translation from English into German is sought by the use of passages based upon the subject matter of the Reader. Students are also expected to reply to simple questions in short, correct German sentences.

SPRING TERM:—The general character of this term's work is similar to that of the preceding. Increasing stress is laid upon the acquiring of facility in conversation, and the use of English in the classroom is gradually supplanted by German. Selections from the prose of modern writers are read.

NATURAL SCIENCES.

Physiology. Walker's Physiology is used as a text-book, supplemented by the study of the skeleton and charts, by such demonstrations and dissections as are practicable, and by lectures and suggested outside reading. Fall term.

Zoology. Colton's Practical Zoology and Packard's Briefer Course are the text-books used. In addition to the text-book work, typical forms are taken up for special study, and students are taught to observe and study the object itself. Winter term.

Botany. Gray's School and Field Book of Botany is used. The work takes up the structure and forms of plants, and leads up to the system of classification. Each student collects, mounts and classifies sixty species of plants, including all the simpler orders as far as Compositæ.

ENGLISH LITERATURE, RHETORIC AND ELOCUTION.

COURSES 1, 2, 3.

English Class. One hour a week through the year. In this year it is designed, by readings and weekly compositions, to give a general introduction to Literature by acquainting the students with the subjects and the history of some of the masterpieces of Classical and English Literature, and the following books in Ginn & Co.'s Classics for Children are to be read outside the class: Kingsley's *Greek Heroes*, Lamb's *Tales from Shakespeare*, Hale's *Arabian Nights*, Scott's *Tales of a Grandfather*, Hughes's *Tom Brown at Rugby*. At the weekly exercise the student recites the story of the passage assigned, and writes an abstract of it.

COURSES 4 AND 5.

Junior Class. Rhetoric. Five hours a week. Fall and Winter terms.

In this course the elementary principles of Rhetoric are studied, and practical application of them is made in frequent exercises in composition.

Along with the work in Rhetoric the class studies American Literature, giving about two weeks each to the following writers: Irving, Longfellow, Whittier, Bryant, Hawthorne, Holmes, Lowell and Emerson.

COURSE 6.

Junior Class. American Literature. One hour a week. Spring term.

This is a continuation of courses 4 and 5. Other American authors are studied and weekly recitations and compositions are required from the class.

The text-books used during the year are: Genung's *Practical Rhetoric*, and selections from cheap editions of the authors studied.

COURSES 7, 8 AND 9.

Middle Class. English Literature. One hour a week throughout the year.

By means of informal lectures and some text-book study, the history of English Literature is traced from the Norman Conquest to the present day. Considerable reading outside the class is required, supplementing the lectures and text-books. Frequent written tests or examinations are given, covering both lectures and readings.

Text-books: Brooke's *Primer of English Literature*, and Syle's *From Milton to Tennyson*.

COURSES 10 AND 11.

Senior Class. Declamation one hour a week through Fall and Winter terms. This course attempts to introduce the student to the principles of easy and correct speaking. Each member of the class receives private drill in the preparation of declamations, which are then delivered before the class. Eight representatives are chosen from the class at the end of the course to compete for the Whipple Declamation prizes.

COURSE 12.

Senior Class. Composition. One hour a week. Spring term.

The work of this course consists of weekly exercises in original composition, prepared outside the class, criticised and corrected, and discussed with the class. Newcomer's *English Composition*. For this work the Smith prize of \$15 is awarded.

ENGLISH COURSES.

Arithmetic: Wentworth's Grammar School Arithmetic, Wentworth's and Hill's Problems. The work in this branch, denoted Advanced Arithmetic and offered to teachers in the Fall term, will be a thorough practical review of the whole subject. Students in the English courses proper will spend the Fall and Winter terms in going over the subject with a text-book; the Spring term will be devoted to a review of the whole subject, using a manual of problems as a basis.

Grammar: Maxwell's English Grammar. In the English courses the Fall and Winter terms will be given to text-book work on Orthography, Etymology, and Syntax. The Spring term's work will be a complete review of all the previous work, with especial emphasis on syntax and the general structure of the language. In the Fall term teachers will be offered the complete course covered by the English students in the whole year, and the same again in the Spring term.

United States History. Montgomery's American History. A thorough text-book will furnish a basis of facts, to be supplemented by reference to short works on special topics, and by papers written and presented to the class by the instructor, discussing the

political and industrial history of the country. The work in the Winter term will be a thorough review, and is also offered to those who have studied the subject and wish a review preparatory to teaching.

Geography. One hour per week during the Winter term, a review, using any text-book.

Civil Government. Thorpe's Government of the United States and Milligan's Government of Illinois. A description of town, city, county, state, national governments; also a brief historical outline of their growth, to be filled in by a limited amount of supplementary reference work. Special attention will be paid to the civil government of Illinois.

Bookkeeping. Gay's Business Bookkeeping. A short course in single entry followed by double entry. The aim in this department is to furnish the theoretical and practical knowledge of the subject necessary to manage the books of any ordinary mercantile business.

Penmanship. A class in practical penmanship will be taught from four to seven weeks each term.

Beginning Latin. Tuell and Fowler's Latin Lessons. In the Spring term Latin may be begun by such students as wish to take up the preparatory courses the following Fall. This work of one term will be a great help in mastering the rudiments of Latin taught in the Junior year.

PHYSICAL CULTURE.

Young men engaged in study need regular and systematic physical training, and the Academy is now

better equipped in this respect than any other institution in the state.

Students in the Academy have access to the new gymnasium of the College at stated times, and have regular training there daily under a competent instructor. The bath rooms are also at their disposal under certain regulations.

Tennis courts, foot-ball and base-ball grounds afford ample opportunity for outdoor exercise suited to each student.

ANNIVERSARY EXERCISES.

The anniversary exercises of the Academy are held on Monday of Commencement week.

Certificates of graduation are given to all who complete the regular courses of the Academy. These certificates entitle the holder to enter the Freshman class of Illinois College without further examination.

Certificates of graduation are also given to all who, following an elective course, have passed in 18 units of work above the common branches, a term's work in a regular study of any of the courses counting as a unit. These certificates do not admit to the College. A charge of two dollars is made for graduation.

The graduating exercises consist of essays delivered *ex memoria*, and declamations. The class is generally too large for all to take part, and eight students are appointed to represent the class. The appointments are made by the faculty, who take into consideration: 1st, general proficiency in the studies pursued; 2d, special proficiency in rhetoric and elocution; 3d, gentlemanly conduct throughout the course.

The following appointments were made for 1895:

Herbert Joseph Capps.	Myron Edward Duckles.
Harry Joy Dunbaugh.	Frank Rumsey Elliott.
George W. C. Parker.	Albert Hurd Rankin.
Charles Russell.	Frank Raymond Wheeler.

PRIZES.

During the year 1896-97, prizes will be offered as follows:

To the Senior class, in all courses: The WHIPPLE PRIZES for declamation: 1st prize, ten dollars; 2d prize, seven dollars. To the Senior class: The SMITH PRIZE of fifteen dollars, for the best essays and work in composition during the year.

All prizes are awarded in books, chosen by the successful student and approved by the Principal.

PRIZES AWARDED SINCE THE PUBLICATION OF THE LAST CATALOGUE.

WHIPPLE PRIZES, 1895.

1st Prize—Harry A. Dow,	Pittsfield.
2d Prize—Frank H. Burgess,	Mendon.

SMITH PRIZE, 1895.

Harry Joy Dunbaugh,	Jacksonville.
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LITERARY SOCIETY.

The Academy students maintain an excellent literary society, the Philologian, which meets on Friday evening of each alternate week. It is open to all students over fifteen years of age, and affords effective and thorough training in declamation, essay-writing, debate, and parliamentary usage.

EXPENSES.

TUITION.—The charges for tuition in the Academy are as follows:

Fall Term.....	\$18.00
Winter Term.....	15.00
Spring Term.....	12.00

This charge includes tuition, incidentals, gymnasium, baths, laboratories, etc. There are no extra charges of any kind.

Term bills are due on the first day of each term. Students entering after the middle of a term will be charged for but half a term. No fees will be refunded except in case of sickness. In this event the student will procure from a physician a certificate of his inability to remain in school, when half the amount paid will be refunded, if application is made before the middle of the term.

ROOMS AND BOARD.—In order to reduce expenses, and bring a good education within the reach of any young man of ability and energy, Crampton Hall was built in 1874. It will accommodate fifty students. The accommodations are far superior to those of ordinary dormitories. The rooms are large, well lighted, heated by steam, and provided with gas for lighting. The rooms are carefully inspected every month, and kept in good order. Two of the instructors have rooms in the Hall, and it is managed so as to make this an attractive home for young men. The rooms are rented at a cost just sufficient to cover fuel and repairs.

Each suite of rooms consists of a study room fifteen

feet square, and a bedroom fifteen by eight, and is occupied by two students. The study room is furnished with a large study table, and the bedroom with a woven wire mattress bed. Other articles of furniture may be brought from home or may be purchased in Jacksonville.

A list of articles needed to furnish the rooms has been prepared, and will be sent on application.

Each student should have a Bible and a good dictionary; and it is desirable that he be provided with such papers or other reading matter as shall be profitable and appropriate for Sunday.

Room rent for First term, \$10; Second term, \$10; Third term, \$8.

The rooms are generally all engaged by the opening of school, and it is best to secure a room as early as possible. A deposit of two dollars sent to the Principal will secure a room, and the two dollars will be credited on the rent for the term, but will be forfeited in case the person does not occupy the room. Students rooming in Crampton Hall board at the College Commons. Here an excellent table is kept up, and the students pay only the actual cost, which is about \$2.40 per week.

Many of the students take furnished rooms near the Academy, paying from 75 cents to \$1.25 per week, and take their meals at the club.

The Principal will aid the students in finding pleasant and economical boarding places. Board and furnished room in private families cost from \$3.50 to \$5.00 per week.

AID TO STUDENTS.

To aid worthy students in obtaining an education, the WHIPPLE SCHOLARSHIP and the BISHOP SCHOLARSHIP have been founded, each paying the tuition and incidental expenses of one student.

A limited number of students not able to pay the full charge for tuition can have such a reduction as may be considered necessary.

Aid will be withdrawn from any student who does not maintain an average grade in all his studies of at least 80 per cent., or who falls below 70 per cent. in any study.

Students admitted free of tuition, who leave before completing the full course, are expected to pay the tuition for the time they are in the Academy.

Besides the direct aid afforded, the Principal will be glad to assist in finding remunerative employment for those who wish it. Every year some of the best students find work, either at the Academy or in some of the homes of Jacksonville, by means of which they materially aid themselves in securing an education.

REGULATIONS.

Academy students are required to attend morning prayers.

Careful records are kept of the attendance and scholarship of students, and reports are sent to parents at the close of each term. Satisfactory excuses must be given for all absences.

In order to continue in a class, a grade of not less than 60 per cent. is required. If a student does not

maintain this grade, he will be admonished; and if, after due trial, he is still unable to do the work, he will be dropped from the class.

No student will be allowed to remain in the Academy who does not give evidence of diligent study, or who is unwilling to yield a cheerful obedience to the regulations of the institution.

Students not residents of Jacksonville are not allowed to leave the city at any time without permission previously obtained from the Principal.

The use of tobacco by students of the Academy is strongly discouraged, and at the request of parents will be strictly prohibited in the case of their sons.

Recitations are conducted from 8:15 A. M. to 3:30 P. M., in separate recitation rooms. The Academy Study Hall, a pleasant and commodious room, is used for study and assistance in the preparation of lessons. An instructor is always in charge, who gives his whole attention to individual instruction and explanation. This has proved a valuable feature of the work of the Academy, supplementing the work of the class room, and giving students the advantage of private instruction. Attendance is required unless excused by the Principal, and absences are reported as strictly as absences from recitations.

PROGRAM

ILLINOIS

CLASS.	SEC.	8:15	9:15	10:30
SENIOR.	ALL.	Autumn: Political Economy. Daily. Winter: Polit. Science. Daily. Spring: Sociology Daily. Zoology, 3. Mon.	Autumn: English, 12 Mon., Wed., Fri. Winter: History, 4. Mon., Wed., Fri. Spring: Christian Evidences. Mon., Wed., Fri. Mathematics, 9. M., Wed., Fri. Zoology, 3. Mon.	<i>Philosophy, Psychology, Psycho-Physics and Moral Science.</i> Daily.
JUNIOR.	ALL.	Zoology, 3. Mon. Zoology, 2. Daily. German, 5, 6, 8. Tu., Th.	Zoology, 3. Mon. Zoology, 2. Daily. Mathematics, 9. M., Wed., Fri.	Autumn: <i>History</i> , 2. Daily. Winter } <i>English</i> , Spring } 4. Daily
SOPHOMORE.	Clas.	{ German, 5, 6, 8. Tu., Th.	{ <i>English</i> , 3. Mon., Wed., Fri. <i>History</i> , 1. Tu., Th.	{ Botany, 1. Daily Mathematics, 4. Tu., Th.
	Phil.	{ German, 1. Mon., Wed., Fri.	{ <i>English</i> , 3. Mon., Wed., Fri. <i>History</i> , 1. Tu., Th.	
	Sci.	{ Zoology, 2. Daily.	{ <i>English</i> , 3. Mon., Wed., Fri. <i>History</i> , 1. Tu., Th.	
FRESHMAN.	Clas.	{ <i>Cato Maior, Laelius, Livy, Horace.</i> Daily.	{ <i>Greek</i> , 1, 6. Daily.	{ <i>Mathematics</i> , 1. Mon., W., Fri. <i>English</i> , 1. Tu., Th.
	Phil.	{ <i>Cato Maior, Laelius, Livy, Horace.</i> Daily.		{ <i>Mathematics</i> , 1. Mon., W., Fri. <i>English</i> , 1. Tu., Th.
	Sci.	{ * <i>German</i> , 1. Mon., Wed., Fri.	{ <i>Mathematics</i> , 2. Tu., Th.	{ <i>Mathematics</i> , 1. Mon., W., Fri. <i>English</i> , 1. Tu., Th.

Chapel 10:10-10:25 Daily. Bible, 3, 6:45 Tuesday.

* Required of Scientific Freshmen who offer Latin at entrance.

~~†~~ Required subjects in *italics*.

OF STUDY.

COLLEGE.

11:30

1:30

2:30

3:30

Autumn: History, 3.

Daily.

Spring: History, 5.

Daily.

Mathematics, 10. Fri.

English, 6. Tu., Th.

Spring: English, 13.

Mon., Wed., Fri.

Botany, 5. Mon.

History, 6. Tu., Th.

English, 10, 11. Mon.,

Wed., Fri.

Latin, 1, 2. Tu., Th.

Botany, 5. Mon.

Mathematics, 8. M.,

Wed., Fri.

Mathematics, 7. Tu.,

Th.

Spring: English, 13.

Mon., Wed., Fri.

English, 6. Tu., Th.

Mathematics, 10. Fri.

Mathematics, 3.

Daily.

Botany, 5. Mon.

History, 6. Tu., Th.

English, 10, 11. Mon.,

Wed., Fri.

Latin, 1, 2. Tu., Th.

French, 1, 2, 3. Mon.,

Wed., Fri.

Biology, 1, 2. Daily.

Greek, 7, 8, 9. Mon.,

Wed.

Mathematics, 8. M.

Wed., Fri.

Mathematics, 7. Tu.,

Th.

Biology, 1, 2. Daily.

English, 5. Tu.

Botany, 1. Daily.

English, 6. Tu., Th.

Spring: English, 13.

Mon., Wed., Fri.

Mathematics, 4.

Tu., Th.

Mathematics, 3.

Daily.

*German, 2, 3, 4.

Mon., Wed., Fri.

{ Biology, 2. Mon.,

{ Wed., Fri.

Latin, 1, 2. Tu., Th.

{ Biology, 2. Mon.,

{ Wed., Fri.

History, 6. Tu., Th.

Chemistry, 2.

*French, 1, 2, 3.

{ Mon., Wed., F.

{ Biology, 2. Mon.,

{ Wed., Fri.

Greek, 7, 8, 9. M., W.

{ Biology, 2. Mon.,

{ Wed., Fri.

Chemistry, 2.

{ English, 2. M.

{ German, 2, 3, 4.

{ Daily.

{ English, 2. M.

{ *German, 2, 3, 4.

{ Mon., Wed., Fri.

{ Biology, 2. Mon.,

{ Wed., Fri.

{ Biology, 1. Tu., Th.

{ Biology, 2. Mon.,

{ Wed., Fri.

{ Biology, 1. Tu., Th.

{ English, 2. M.

*German, 2, 3, 4, is required of Scientifics who have had only German, 1.
 French, 1, 2, 3, is required of Scientifics who have had German, 2, 3, 4.

†Required of Scientifics who offer German at entrance.

PROGRAM

WHIPPLE

	CLASS.	SEC.	8:15	9:15	10:30
FALL.	SENIOR.	Clas. Phil. Sci.	Adv. Algebra. Adv. Algebra. Adv. Algebra.	Vergil. Vergil.	Anabasis. Latin Lessons.
	MIDDLE.	Clas. Phil.		Cæsar. Cæsar.	Greek Lessons. Physiology.
	JUNIOR.	Clas. Phil. Sci.	Rhetoric. Rhetoric. Rhetoric.	Study Hall. Study Hall. Study Hall.	Latin Lessons. Latin Lessons. Physiology.
	ENGLISH.	Reg. Spec. Teach.	U. S. Hist. and Geog. U. S. Hist. and Geog. U. S. Hist. and Geog.	Study Hall. Study Hall. Study Hall.	Grammar. Grammar. Physiology.
WINTER.	SENIOR.	Clas. Phil. Sci.	Geometry.	Vergil. Vergil. Gymnasium.	Iliad. Latin Lessons.
	MIDDLE.	Clas. Phil.	Geometry. Geometry.	Cicero. Cicero.	Greek Lessons. Physics.
	JUNIOR.	Clas. Phil. Sci.	English Literature. English Literature. English Literature.	Study Hall. Study Hall. Study Hall.	Latin Lessons. Latin Lessons. Physics.
	ENGLISH.	Reg. Spec. Teach.	U. S. Hist. and Geog. U. S. Hist. and Geog. U. S. Hist. and Geog.	Study Hall. Study Hall. Study Hall.	Grammar. Grammar. Physics.
SPRING.	SENIOR.	Clas. Phil. Sci.	Adv. Algebra. Adv. Algebra. Adv. Algebra.	Cicero. Cicero.	Iliad. Cæsar.
	MIDDLE.	Clas. Phil.		Cicero. Cicero.	Anabasis. Physics.
	JUNIOR.	Clas. Phil. Sci.		Study Hall. Lit. Tu. Study Hall. Lit. Tu. Study Hall. Lit. Tu.	Cæsar. Cæsar. Physics.
	ENGLISH.	Reg. Spec. Teach.	U. S. Hist. and Geog. U. S. Hist. and Geog. U. S. Hist. and Geog.	Study Hall. Study Hall. Study Hall.	Grammar. Grammar. Physics.

Chapel, 10:10, Daily.

OF STUDY.

ACADEMY.

11:30	1:30	2:30	3:30
Roman History.	Elocution, 10. Tu. Elocution, 10. Tu. Elocution, 10. Tu.	German. German.	
Roman History.	Elocution, 7. Th.		
Roman History.	Elocution, 7. Th.		
Algebra. Algebra. Algebra.			
Arithmetic. Arithmetic. Arithmetic.	Bookkeeping.		
Greek History and Geography. Zoology. Zoology.	Elocution, 11. Tu. Elocution, 11. Tu. Elocution, 11. Tu.	German. German.	Gymnasium. Gymnasium. Gymnasium.
	Elocution, 8. Th. Elocution, 8. Th.		Gymnasium. Gymnasium.
Algebra. Algebra. Algebra.		Physics.	Gymnasium. Gymnasium. Gymnasium.
Arithmetic. Arithmetic. Zoology.		Physics.	Gymnasium. Gymnasium. Gymnasium.
Geometry.	Elocution, 12. Tu. Elocution, 12. Tu. Elocution, 12. Tu.	German. German.	
Geometry.	Elocution, 9. Th.		
Geometry.	Elocution, 9. Th.	Physics.	
Eastern Nations and Greece. Eastern Nations and Greece. Eastern Nations and Greece.	Botany. Botany. Botany.	Physics.	
Latin Lessons. Arithmetic. Arithmetic.	Botany.	Physics.	

Bible, 3, 6:45, Tuesday.

STUDENTS.

ILLINOIS COLLEGE.

GRADUATING CLASS 1895.

Thomas Henry Buckthorpe, P.	Jacksonville.
Levi Stevens Doane, S.	Jacksonville.
James Marquis Duer, S.	Jacksonville.
Willard Hayes Garrett, S.	Mendon.
George Wood Govert, C.	Quincy.
Eo Briggs Nash, C.	Jacksonville.
William L. Ransdell, P.	Jacksonville.
Thomas Jay Simons, C.	Virden.
Joseph William Walton, C.	Jacksonville.

GRADUATE STUDENT.

Willard Hayes Garrett.	Mendon.
------------------------	---------

18 Crampton Hall.

SENIORS.

Rupert Franz Asplund, C.	Little Indian.
10 Crampton Hall.	
Horace Herbert Bancroft, C.	Jacksonville.
623 West State St.	
George Edwin Baxter, P.	Griggsville.
121 Westminster St.	
James Edward Clifford, P.	Virginia.
815 West College Ave.	

Albin Charles DeMary, P. 23 Crampton Hall.	Pleasant Plains.
Arthur Boyce Fairbank, P. 235 Westminster St.	Waverly.
Henry Norbury Kuechler, S. 202 North Prairie St.	Jacksonville.
Homer Franklin Moore, C. 123 West College Ave.	Jacksonville.
Cornelius Bernard Rourke, S. 823 West College Ave.	Waverly.
Harry Fletcher Scott, C. 711 West College St.	Hiramsburg, O.
Elmer Ellsworth Wells, S. 823 West College Ave.	Franklin.

JUNIORS.

Ivan W. Agee, C. 317 West State St.	Chapin.
Samuel Wallace Baxter, P. Diamond St.	Jacksonville.
John Austin Bradley, C. 1202 West College Ave.	Lee, Mass.
John Gordon Carter, P. 921 West State St.	Jacksonville.
Will George Cartlich, S. 5 Crampton Hall.	Creston, Ia.
Frederick Joy Fairbank, C. 218 Westminster St.	Jacksonville.
Ora T. Fell, S. 614 South East St.	Jacksonville.
Neville Edward Harris, P. 923 South Main St.	Jacksonville.
Clyde Lemont Hay, C. City Place.	Jacksonville.
Charles Albert Johnson, S. 423 West State St.	Jacksonville.

Henry Wolcott Kirby, C. 414 Lincoln Ave.	Jacksonville.
Leonard L. Masters, S. South Main St.	Jacksonville.
Emmett William McBratney, P. 10 Crampton Hall.	Griggsville.
Fred Morgan McElfresh, S. 636 South Hardin Ave.	Jacksonville.
Brown Ervin McIlvaine, S. 14 Crampton Hall.	Tuscola.
Laurance Edwards Milligan, C 149 Caldwell St.	Jacksonville.
Elmer David Read, C. 222 Sandusky St.	Jacksonville.

SOPHOMORES.

Charles Otis Boston, S. 402 Sandusky St.	Jacksonville.
Arthur Travis Brittin, S. 823 West College ave.	Cantrall.
Vincent Jacob Cohenour, S. 912 West State St.	Pittsfield.
Earl Gilbert Cowdin, S. 603 North Fayette St.	Illioplis.
Byron Clary Darling, P. 21 Crampton Hall.	Enterprise, Miss
William Ezra Doane, S. 906 Grove St.	Tempest.
John Stewart Dobyns, S. 1030 West State St.	Jacksonville.
Mendal Garbutt Frampton, P. 14 Crampton Hall.	Pittsfield.
Michael Huffaker Grassly, S. 857 South Clay Ave.	Jacksonville.
Ira Kenney Harvey, S. 1328 Mound Ave.	Griggsville.

Edward Eugene Hinrichsen, S. 232 Westminster St.	Jacksonville.
Harry Nathaniel Kirby, P. 1205 West College Ave.	Jacksonville.
James Cheseldine Lathrop, C. 901 West State St.	Winchester.
William Walter Moore, C. 856 West State St.	Jacksonville.
Willard Holbrook Palmer, C. 252 Park St.	Jacksonville.
Harrison Wallace Petefish, S. 13 Crampton Hall.	Literberry.
Fred Oren Philbrook, C. 24 Crampton Hall.	Forrest.
Thomas William Pitner, S. 215 West College Ave.	Decatur.
Roy David Plattner, S. 120 Westminster St.	Pittsfield.
John Albert Pugh, S. 823 West College Ave.	Waverly.
Charles Ernest Read, C. 611 West College St.	Jacksonville.
William Edgar Sampson, S. 703 West College St.	Tice.
Frederick Chauncey Tanner, C. 1328 Mound Ave.	Jacksonville.
Earl Vogel, S. 1428 South Main St.	Jacksonville.
William Lester Wemple, S. 1328 Mound Ave.	Waverly.

FRESHMEN.

Elisha Brown Adams, S. 1109 West State St.	Jacksonville.
Milem Josiah Alkire, S. 24 Crampton Hall.	Petersburg.

STUDENTS.

ILLINOIS COLLEGE.

GRADUATING CLASS 1895.

Thomas Henry Buckthorpe, P.	Jacksonville.
Levi Stevens Doane, S.	Jacksonville.
James Marquis Duer, S.	Jacksonville.
Willard Hayes Garrett, S.	Mendon.
George Wood Govert, C.	Quincy.
Eo Briggs Nash, C.	Jacksonville.
William L. Ransdell, P.	Jacksonville.
Thomas Jay Simons, C.	Viriden.
Joseph William Walton, C.	Jacksonville.

GRADUATE STUDENT.

Willard Hayes Garrett.	Mendon.
------------------------	---------

18 Crampton Hall.

SENIORS.

Rupert Franz Asplund, C.	Little Indian.
--------------------------	----------------

10 Crampton Hall.

Horace Herbert Bancroft, C.	Jacksonville.
-----------------------------	---------------

323 West State St.

George Edwin Baxter, P.	Griggsville.
-------------------------	--------------

121 Westminster St.

James Edward Clifford, P.	Virginia.
---------------------------	-----------

815 West College Ave.

Albin Charles DeMary, P. 23 Crampton Hall.	Pleasant Plains.
Arthur Boyce Fairbank, P. 235 Westminster St.	Waverly.
Henry Norbury Kuechler, S. 202 North Prairie St.	Jacksonville.
Homer Franklin Moore, C. 123 West College Ave.	Jacksonville.
Cornelius Bernard Rourke, S. 823 West College Ave.	Waverly.
Harry Fletcher Scott, C. 711 West College St.	Hiramsburg, O.
Elmer Ellsworth Wells, S. 823 West College Ave.	Franklin.

JUNIORS.

Ivan W. Agee, C. 317 West State St.	Chapin.
Samuel Wallace Baxter, P. Diamond St.	Jacksonville.
John Austin Bradley, C. 1202 West College Ave.	Lee, Mass.
John Gordon Carter, P. 921 West State St.	Jacksonville.
Will George Cartlich, S. 5 Crampton Hall.	Creston, Ia.
Frederick Joy Fairbank, C. 218 Westminster St.	Jacksonville.
Ora T. Fell, S. 614 South East St.	Jacksonville.
Neville Edward Harris, P. 923 South Main St.	Jacksonville.
Clyde Lemont Hay, C. City Place.	Jacksonville.
Charles Albert Johnson, S. 423 West State St.	Jacksonville.

Henry Wolcott Kirby, C. 414 Lincoln Ave.	Jacksonville.
Leonard L. Masters, S. South Main St.	Jacksonville.
Emmett William McBratney, P. 10 Crampton Hall.	Griggsville.
Fred Morgan McElfresh, S. 636 South Hardin Ave.	Jacksonville.
Brown Ervin McIlvaine, S. 14 Crampton Hall.	Tuscola.
Laurance Edwards Milligan, C. 149 Caldwell St.	Jacksonville.
Elmer David Read, C. 222 Sandusky St.	Jacksonville.

SOPHOMORES.

Charles Otis Boston, S. 402 Sandusky St.	Jacksonville.
Arthur Travis Brittin, S. 823 West College ave.	Cantrall.
Vincent Jacob Cohenour, S. 912 West State St.	Pittsfield.
Earl Gilbert Cowdin, S. 603 North Fayette St.	Illioopolis.
Byron Clary Darling, P. 21 Crampton Hall.	Enterprise, Miss
William Ezra Doane, S. 906 Grove St.	Tempest.
John Stewart Dobyns, S. 1030 West State St.	Jacksonville.
Mendal Garbutt Frampton, P. 14 Crampton Hall.	Pittsfield.
Michael Huffaker Grassly, S. 857 South Clay Ave.	Jacksonville.
Era Kenney Harvey, S. 1328 Mound Ave.	Griggsville.

Edward Eugene Hinrichsen, S. 232 Westminster St.	Jacksonville.
Harry Nathaniel Kirby, P. 1205 West College Ave.	Jacksonville.
James Cheseldine Lathrop, C. 901 West State St.	Winchester.
William Walter Moore, C. 856 West State St.	Jacksonville.
Willard Holbrook Palmer, C. 252 Park St.	Jacksonville.
Harrison Wallace Petefish, S. 13 Crampton Hall.	Literberry.
Fred Oren Philbrook, C. 24 Crampton Hall.	Forrest.
Thomas William Pitner, S. 215 West College Ave.	Decatur.
Roy David Plattner, S. 120 Westminster St.	Pittsfield.
John Albert Pugh, S. 823 West College Ave.	Waverly.
Charles Ernest Read, C. 611 West College St.	Jacksonville.
William Edgar Sampson, S. 703 West College St.	Tice.
Frederick Chauncey Tanner, C. 1328 Mound Ave.	Jacksonville.
Earl Vogel, S. 1428 South Main St.	Jacksonville.
William Lester Wemple, S. 1328 Mound Ave.	Waverly.

FRESHMEN.

Elisha Brown Adams, S. 1109 West State St.	Jacksonville.
Milem Josiah Alkire, S. 24 Crampton Hall.	Petersburg.

Herbert Joseph Capps, P. 823 North Church St.	Jacksonville.
Percy Grierson Capps, S. 854 West College Ave.	Jacksonville.
Howard Turner Carriel, S. 1018 Grove St.	Jacksonville.
Luther Robert Catlin, S. 823 West College Ave.	Aurora.
Pierce Peden Correll, S. 1039 West College Ave.	Illioiopolis.
Harry Augustus Dow, C. 1328 Mound Ave.	Pittsfield.
Myron Edward Duckles, S. 1123 West State St.	Chesterfield.
Harry Joy Dunbaugh, C. 846 Grove St.	Jacksonville.
Frank Rumsey Elliott, C. 1103 West State St.	Jacksonville.
William Engelbach, S. 308 North Church St.	Arenzville.
Egbert W. Fell, S. 614 South East St.	Jacksonville.
Charles Clayton Forbes, S. 1158 Mound Ave.	Danvers.
William Elihu Guy, P. 846 West State St.	Canton, Mo.
Horace Chase Hall, S. 19 Crampton Hall.	Carrollton.
Fred Abbott Hicks, P. 1039 West College Ave.	Pittsfield.
Robert Carroll Kennedy, S. 1042 Grove St.	Jacksonville.
Edward Murray King, S. 620 West College Ave.	Jacksonville.
Nelson George Porter, S. 824 West State St.	Booneville, Mo.

Albert Hurd Rankin, P.	Jacksonville.
846 West State St.	
Charles Bradley Russell, S.	Stockbridge, Mass
9 Crampton Hall.	
Louis Henry Schroeder, C.	Quincy.
125 Westminster St.	
Kirk Shawgo, S.	Quincy.
1039 West College Ave.	
Clarence Orville Shunk, S.	Havana.
26 Crampton Hall.	
Charles Spilman, C.	Tamaroa,
13 Crampton Hall.	
Frank Raymond Wheeler, S.	Auburn.
1025 West College Ave.	

SPECIALS.

Fred Seward Dennis.	Waverly.
538 South Diamond St.	
J. Montgomery Humer.	Waverly.
527 South Prairie St.	
George William Curtis Parker.	Mt. Sterling.
1039 West College Ave.	

WHIPPLE ACADEMY.

SENIORS.

Theodore Warren Beadle.	Greenville.
Frank J. Beggs.	Arcola.
William Brown Burr.	Jacksonville.
Charles Erastus Cake.	Maysville, Ky.
Frederick C. Carriel.	Jacksonville.
George Maxwell Chambers.	Jacksonville.
George Lyman Colburn.	Pekin.

Charles Edward Cole.	Jacksonville.
Charles David Correll.	Illiopolis.
Elton Marcus Crum.	Literberry.
Frederick Locke Darling.	Enterprise, Miss.
Perry Leo Davis.	Virginia.
Frank Charles Dinwiddie.	Jacksonville.
Harry Dickerman Dobyns.	Jacksonville.
William Sanders Elliott.	Jacksonville.
Frederick F. Garrison.	Mason City.
Harry Dallas Hayes.	Pleasant Plains.
Oscar Edwin Hewitt.	Chesterfield.
Alden R. Hicks.	Scottville.
John Kearns, Jr.	Jacksonville.
Allen M. King.	Jacksonville.
George Howard McCullough.	Riggston.
Alexander Allan McDonald.	Jacksonville.
Harvey Green McLaughlin.	Rochester.
Eugene Greene Nelson.	Walker, Mo.
Louis S. Saegesser.	Jacksonville.
Wilbert Hoyt Sanford.	Jacksonville.
Quincy Spears.	Tallula.
Harry Maxwell Stout.	Jacksonville.
David Percy Strickler.	Mendon.
Clarence C. Thomas.	Pleasant Hill.
Frank Byron Tomlin.	Pleasant Plains.
Herbert Samuel Walker.	Jacksonville.
Barnett D. S. Wyllie.	Marissa.
William Guthrie Young.	Jacksonville.

MIDDLEERS.

Lloyd Lackland Adams.	Jacksonville.
Allan Brownell Ayers.	Jacksonville.

Allan Farrell Ayers.	Jacksonville.
Charles Adams Balch.	Jacksonville.
Frederick C. Coleman.	Jacksonville.
Harry Newton Frizzell.	Rushville.
Andrew Jotham Goodell.	Chandlerville.
Harris Carriel Gordon.	Jacksonville.
Robert H. Halsted.	Jacksonville.
Arthur Lee Johnson.	Chandlerville.
Benjamin Kirby.	Tallula.
Orrin Frank Konantz.	Quincy.
Melvin Robert Laird.	Maysville.
Oscar Miller.	Laomi.
Benjamin D. Perrin.	Virginia.
Charles Alfred Sturtevant.	Jacksonville.
Claudius Unger.	Naples.
George Kelly Whittlesey.	Lafayette, Ind.
Alfred Arthur Williams.	Hillsboro.
James Steele Young.	Jacksonville.

JUNIORS.

Sandy Absalom Baptist.	Jacksonville.
Edgar Barton.	Pleasant Hill.
Reynolds William Becraft.	Millersburg, Ky.
John C. Bridgewater.	Athensville.
Oliver Marion Capps.	Jacksonville.
Stephen Reid Capps.	Jacksonville.
Charles Albert Carter.	Waverly.
Ernest Chauncey Carter.	Chapin.
Edward Coon.	Fort Scott, Kan.
Frank Craven.	Chandlerville.
Ruel George Crum.	Literberry.
William Leopold DeLeuw.	Jacksonville.

Allen Joy Green.	Jacksonville.
Scott Bryant Green.	Jacksonville.
John Agee Jess.	Jacksonville.
Robert Emmet Jess.	Jacksonville.
Lawson Smith Johnson.	Rochester.
George Jackson Kneeland.	Griggsville.
James Clarence Lorton.	Viriden.
Charles B. Fred Mathew.	Glenarm.
Victor W. Nelson.	Chicago.
Emanuel Concie Pires.	Jacksonville.
George E. Rayhill.	Jacksonville.
James Arthur Rice.	Jacksonville.
Walter Robison.	Mounds.
Harvey Lee Ross, Jr.	Red Wood City, Cal.
Alexander Smith.	Jacksonville.
Charles Henry Starr.	Jacksonville.
Benjamin Franklin Stauffer.	Saybrook.
Bert Allan Van Winkle.	Jacksonville.
Byron Lionel Virgin.	Prentice.
James Gillham Winterbottom.	Jacksonville.

ENGLISH.

John Edmund Allen.	Hulls.
Arthur Benjamin Dunlap.	Jacksonville.
Frank Chalfant Forinash.	Vandalia, W. Va.
Johinn Dedlef Frederick Grage.	Jacksonville.
Ralph Benton Gray.	Salem.
Robert Hockenhull.	Jacksonville.
Archibald Leroy Jordan.	Jacksonville.
John Allen Lenington.	Jacksonville.
William Adams Lippincott.	Jacksonville.
William Lang Rogerson.	Jacksonville.

Perceval D. Sears.	Jacksonville.
Edgar William Smith.	Jacksonville.
James Ellis Smith.	Booneville, Mo.
Martin Lesley Smith.	Jacksonville.
Lafayette Starr.	Jacksonville.
Edward Leroy Stimpson.	Jacksonville.
Jay Alton Tredick.	Chicago.
Joseph E. Winterbottom.	Jacksonville.

SPECIAL.

William Percy Duncan.	Jacksonville.
Arthur Daniels Fairbank.	Jacksonville.
Horace Watson Reed.	Jacksonville.

SUMMARY.

ILLINOIS COLLEGE.		WHIPPLE ACADEMY.	
Graduating Class.....	9	Seniors.....	35
Graduate Student.....	1	Middlers	20
Seniors.....	11	Juniors	32
Juniors	17	English	18
Sophomores	25	Special	3
Freshmen	27		
Special	3	Total.....	108
Total.....	93		
Total of College and Academy.....			201
Deduct name mentioned twice			1
Net total.....			200

CALENDAR.

1896.

April 24—Sigma Pi Open Meeting	Friday
April 28—Freshman Exhibition	Tuesday
June 5—Junior Exhibition	Friday
June 7—Baccalaureate Sermon	Sunday
June 7—Y. M. C. A. Anniversary	Sunday
June 8—Whipple Anniversary	Monday
June 8—Glee Club Concert	Monday
June 9—Osage Orange Day	Tuesday
June 9—President's Reception to Undergraduates	Tuesday
June 9—Class Reunions	Tuesday
June 10—Meeting of Trustees	Wednesday
June 10—Class Day	Wednesday
June 10—Sigma Pi Literary Exercises	Wednesday
June 10—Sigma Pi Banquet—Triennial Reunion	Wednesday
June 11—Commencement	Thursday
June 11—Commencement Dinner	Thursday
June 11—Commencement Reception	Thursday

SUMMER VACATION.

Sept. 7-8—Entrance Examinations	Monday and Tuesday
Sept. 7—Registration Day	Monday
Sept. 8—First Term Begins	Tuesday
Nov. 26-29—Thanksgiving Recess	Thursday-Sunday
Dec. 18—First Term Ends	Friday

1897.

WINTER VACATION.

Jan. 4—Registration Day	Monday
Jan. 5—Second Term Begins	Tuesday
Feb. 19—Phi Alpha Open Meeting	Friday
Mch. 16—Gymnasium Contest	Tuesday
Mch. 22—Second Term Ends	Monday
Mch. 23—Third Term Begins	Tuesday
Mch. 23—Whipple Declamations	Tuesday
April 30—Sigma Pi Open Meeting	Friday
April 27—Freshman Exhibition	Tuesday
June 6—Baccalaureate Sermon	Sunday
June 10—Commencement	Thursday

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C. H.
76/97

CATALOGUE

OF

ILLINOIS COLLEGE

AND



WHIPPLE ACADEMY

SIXTY-EIGHTH YEAR

1896=1897

JACKSONVILLE

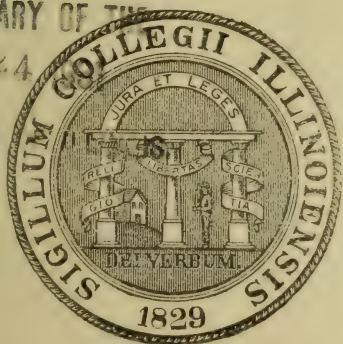
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WHIPPLE ACADEMY

SIXTY-EIGHTH YEAR

1896-1897

JACKSONVILLE

TRUSTEES.

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HON. EDWARD P. KIRBY, LL. D.,	Jacksonville.
JULIUS E. STRAWN, A. M.,	Jacksonville.
LLOYD W. BROWN, M. D.,	Jacksonville.
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FRANK W. TRACY,	Springfield.
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HON. EDWARD P. KIRBY, LL. D., *Secretary and Treasurer.*
 (232½ W. State St.) 3 Duncan Pl.

ENSLEY MOORE, B. S., *Custodian of College Mementos.*

856 W. State St

FACULTY AND OFFICERS.

JOHN E. BRADLEY, PH. D., LL. D. 1202 W. College Ave.

President and Professor of Mental and Moral Science.

A. B., Williams College, 1865; A. M., 1868; Ph. D., University of New York, 1879; LL. D., Williams College, 1893; Principal High School, Pittsfield, Mass., 1865-68; Principal High School, Albany, N. Y., 1868-86; Commissioner State of New York to Paris Exposition, 1878; Superintendent of City Schools, Minneapolis, 1886-92; Member of National Council of Education from 1889; President of Illinois College from 1892.

HIRAM K. JONES, LL. D. 505 W. College Ave.

Professor of Philosophy.

A. B., Illinois College, 1844; A. M., 1847; M. D., 1846; LL. D., 1878; Founder Concord School of Philosophy, 1879; Lecturer on Greek Philosophy in same, 1879-89; President American Akademie, 1878; Professor of Philosophy in Illinois College from 1886.

HARVEY W. MILLIGAN, A. M., M. D. 149 Caldwell St.

Professor of History and English Literature and Instructor in Economics.

A. B., Williams College, 1853; A. M., 1856; M. D., University of Pennsylvania, 1862; Instructor State Institution for Deaf Mutes, Pennsylvania, 1856-65; Principal of same in Wisconsin, 1865-69; Instructor in same in Illinois, 1869-82; Professor of History and English Literature in Illinois College from 1882.

JAMES B. SHAW, D. SC. 1030 Grove St.

Hitchcock Professor of Mathematics and Astronomy.

B. S., Purdue University, 1889; M. S., 1890; D. Sc., 1893; Member of American Mathematical Society, and Fellow of American Association for the Advancement of Science; Professor of Mathematics, Central University, Iowa, 1890; Instructor in Mathematics and Physics, Illinois College 1890-91; Professor of Mathematics and Astronomy from 1891.

MILTON E. CHURCHILL, A. M., B. D. 315 Lockwood Pl.

Collins Professor of Greek and German.

A. B., Knox College, 1877; A. M., 1880; B. D., Yale University, 1883; Instructor in Latin and Greek, Knox College, 1878-80, and 1885-87; Principal Emerson Institute, Mobile, 1883-85; Professor of Latin, Blackburn University, 1897-91; Studied in Germany, 1891; Professor of Greek and German in Illinois College from 1891.

JACOB A. ZELLER, A. M. 327 Lockwood Pl.

Professor of Pedagogy and Principal of Whipple Academy.

A. B., Miami University, 1856; A. M., 1860; B. L., Cincinnati Law School 1860; Principal High School, Evansville, Ind., 1870-81; Superintendent of Schools, Richmond, Ind., 1881-84; Principal High School, Lafayette, Ind., 1885-94; Professor of Pedagogy in Illinois College from 1894.

JOHN M. CLAPP, A. M. 1040 W. College Ave.

Professor of English and Oratory.

A. B., Amherst College, 1890; A. M., 1893; Instructor in Elocution and Rhetoric in Illinois College, 1890-94; Professor of English and Oratory from 1894.

TRUMAN P. CARTER, A. M. 872 Grove St.

Hitchcock Professor of Natural Sciences.

A. B., Illinois College, 1885; A. M., 1888; B. S., University of Illinois, 1888; Studied in Cornell University, 1889-90; Instructor in Science in Illinois College, 1891-94; Professor of Natural Sciences from 1894.

FREDERICK W. SANFORD, A. B. 717 W. College St.

Instructor in Latin and French.

B. S., Illinois College, 1890; A. B., 1891; Studied in Chicago University 1894-95.

FRANK PARSONS NORBURY, M. D. 420 W. State St.

Lecturer on Psycho-Physics.

M. D., Long Island College Hospital, 1888; Resident Physician Pennsylvania Institution for Feeble Minded Children, 1888; Assistant Physician Illinois Central Hospital for the Insane, 1888-93; Lecturer on Nervous and Mental Diseases, Keokuk Medical College, 1893; Professor of Nervous and Mental Diseases, St. Louis College of Physicians and Surgeons, from 1894; Lecturer on Cranio-Cerebral Anatomy and Surgery in Woman's Medical College, St. Louis, 1894; Associate Editor of the Medical Fortnightly of St. Louis; Lecturer on Psycho-Physics in Illinois College from 1894.

JAMES W. PUTNAM, B. S. 402 Sandusky St.

Instructor in History and Assistant in Preparatory Department.

B. S., Illinois College, 1894; Student in Chicago University, 1895.

WILLARD H. GARRETT, B. S. Room 18, C. H.

Assistant in Preparatory Department.

B. S., Illinois College, 1895.

TRUMAN P. CARTER, A. M.

Professor of Physical Training.

WM. KIRBY McLAUGHLIN, A. M., M. D. 121 W. Coll. Ave.

Physical Examiner.

A. B., Illinois College, 1884; A. M., 1887; M. D., Northwestern University Medical College, 1890; Physical Examiner in Illinois College from 1893.

JAMES W. PUTNAM, B. S.

Director of Gymnasium.

PROFESSOR H. W. MILLIGAN, *Librarian.*

PROFESSOR M. E. CHURCHILL, *Secretary of the Faculty.*

PROFESSOR J. B. SHAW, *Bursar.*

ILLINOIS COLLEGE.

GENERAL INFORMATION.

HISTORY AND PURPOSE.

The establishment of Illinois College is intimately related to the first settlement of the state. No chapter in American history is more inspiring than that which records the scenes and incidents connected with the formation of the famous Yale Band of 1829. Settlements in the Upper Mississippi valley were then small and widely scattered. But the young men composing this Band, then students of Yale College, looked forward to the development of the great west, and calmly planned for a national destiny of which few had then conceived. They resolved that the millions so soon to people the prairies and the forests of this vast expanse should find that the institutions of education and Christianity had preceded them. They resolved to lead in this work by devoting themselves to it.

In the autumn of 1827, Theron Baldwin, then a student in Yale College, read a fervid essay in the Yale Society of Inquiry on the Call of the West. His young associates were deeply stirred by his appeal, and on their homeward walk they paused beneath the elms, and under the solemn majesty of that starlight night they devoted themselves to the work which the essay had proposed. A compact was prepared and signed, in which these young men pledged themselves to the work of education and Christianity in

the then wild and distant state of Illinois. The signers of this compact were Mason Grosvenor, Theron Baldwin, Julian M. Sturtevant, William Kirby, Asa Turner, John F. Brooks and Elisha Jenney. Under the pledges of this compact, these young men immediately began to make plans for the founding of a Christian college.

Meantime, pioneers of the settlement of the state had begun to realize the great opportunity which was presented, and they, too, resolved that this fruitful land should be pre-empted for freedom and learning and righteousness—rescued from slavery and the thriftlessness and disorder which threatened. A movement was inaugurated under the lead of Rev. John M. Ellis, a home missionary, for the establishment of a Christian school, to which Gov. Joseph Duncan and Judge Samuel D. Lockwood gave hearty support. Through the agency of the American Home Missionary Society, these two movements were brought together, and many new friends gained to the enterprise, east and west.

In December, 1829, the school was opened in what is now the south wing of Beecher Hall, with Julian M. Sturtevant as the sole teacher. For fifty-six years he was connected with the institution as teacher, professor or president. The first class was graduated in 1835, and consisted of Richard Yates, afterwards the great war governor of Illinois, and Jonathan Spilman. In 1831 Rev. Edward Beecher resigned the pastorate of Park Street Church, Boston, to accept the presidency of the growing institution. Few colleges have graduated so many distinguished alumni.

Illinois College was the most potent factor in determining the early history of the state. The wide publicity given to its establishment by the American Home Missionary Society and other agencies induced tens of thousands of the most desirable settlers to emigrate from their eastern homes to the fertile prairies of Illinois. Enter-

prise and capital followed the Christian college. The founders of the college were, in fact, the authors of the whole educational system of the state, and during the early years of its history one or two of its professors were constantly traveling throughout the state, stimulating the establishment of voluntary schools and forming public sentiment in favor of a system of public education. Throughout its history it has steadfastly adhered to its original purpose to promote the interests of education and Christianity throughout the region of which it is the intellectual center.

Illinois College, then, is the oldest college in the state. It represents the best educational standards and traditions of the parent institution, Yale College. In the quality of its work it ranks with the best institutions in the country. Students pass, without conditions, from its classes to the same rank in the largest colleges at the east.

With the wisdom of age is combined the vigor of youth. The institution reverently adheres to whatever is best in the old and fearlessly adopts that which is good in the new education. It deems that training best which yields strong and self-reliant manhood. It educates for power, and adopts those methods of work which seem best calculated to produce clearness of intellect, vigor of expression, refinement of taste and Christian character.

The College seeks to provide wholesome conditions of growth. Its discipline is broad, but just and efficient. Within proper limits the greatest freedom and independence on the part of the student is encouraged as part of a well rounded education; beyond these limits conformity to the regulations of the College is expected and enforced. A systematic education is believed to include the physical, intellectual, moral and religious development of each student, and careful provision is made for each of these departments of training.

ORGANIZATION AND WORK.

By the charter of Illinois College the general government and administration of the institution are vested in its Board of Trustees. The immediate direction of its work is vested in the Faculty; who are empowered to determine the requirements for admission to the College, the standard of attainment in the several classes, the subjects and methods of study, and to make such rules, subject to the judgment of the Trustees, as may be deemed best for the guidance of the institution and the advancement of its work.

It is the aim of Illinois College to extend to young men the benefits of a liberal education of a most advanced standard. It encourages broad and thorough study, and offers every incentive to faithful work and high attainment. Its courses of instruction are arranged to give the best possible preparation alike for professional study and for active life. It seeks to meet the increasing demand for men of disciplined intellect, trained power and upright character in business enterprises. It trains its graduates for engineering, journalism and teaching; and while it thus affords special lines of study and investigation to meet the aims and necessities of different classes of students, it affords to all opportunities for that broad culture which should be the possession of every intelligent man. Improved methods of instruction make attainments easy at the present day which were beyond the reach of any but post-graduate students a few years ago. The instructors are specialists in their various departments, and the class-rooms and laboratories are supplied with the best appliances and apparatus for illustration and experiment. The wide range of elective studies enables students to carry their work in any chosen department to a high degree of advancement and practical results.

Whipple Academy, the Preparatory Department of Illinois College, is a secondary school of high grade. In addition to fitting its graduates for admission to Illinois College or any college or university in the country, it affords special advantages for the pursuit of English and business courses of study and for young teachers who wish to qualify themselves for higher grades of work. Its instruction is nearly all given by the regular college professors, and its students have the benefit of the College library, laboratories and apparatus. In these and many other particulars it stands pre-eminent among schools of its class. The association of its students with college students and college work tends to promote ambition and manliness. Physical exercise is required and care is taken for the formation of moral character.

LOCATION AND BUILDINGS.

Jacksonville has long been famed for its culture and literary atmosphere. Three of the state charitable institutions are located here, and a number of prosperous schools and seminaries, and these, with the College, have led many cultivated families to take up their residence in Jacksonville. Its streets are well paved, lighted by electricity, and everywhere lined with arching rows of elms. It is conveniently situated at the intersection of the Chicago & Alton, the Wabash, the Chicago, Peoria & St. Louis, and the Jacksonville, Louisville & St. Louis railroads. Its healthful climate and freedom from temptation render it a most favorable location for a Christian college.

The College campus is a magnificent park of some twenty acres, crowning a slight elevation, and set with large elms and other trees.

The College buildings are commodious and well equipped. They are *Sturtevant Hall*, in which are lecture and recitation rooms and laboratories; *Crampton Hall*, a large dormi-

tory building; *Beecher Hall*, containing several society and lecture rooms; *Whipple Hall*, containing recitation rooms, and a large study hall for the preparatory department; the *College Hall*, devoted to the use of the boarding department, and *Gymnasium*. These buildings are all well adapted to their uses, are heated by steam and lighted by gas. To these has now been added the *Jones Memorial* building, the gift of Dr. Hiram K. Jones of Jacksonville, erected in memory of his wife, Elizabeth Orr Jones. It is constructed of brick and terra cotta, with tile roof, finished in oak and maple, lighted by electricity and equipped with the most approved heating and ventilating systems and other modern conveniences. It is about ninety-two feet in length by seventy-three feet in width and is designed in an easy Gothic style of architecture. It contains the library, chapel, reading room, Y. M. C. A. rooms, president's office, a number of class rooms and a work room for the use of the library. It is carefully planned and complete in all its features.

COURSES OF INSTRUCTION.

The courses of instruction form a system of required and elective study. In the Freshman year the required studies occupy twelve hours each week; in the Sophomore year eight hours each week; in the Junior year six hours, and in the Senior year five hours, leaving three hours of elective work in the Freshman year, seven hours in the Sophomore year and ten hours each in the Junior and Senior years.

The required studies of the Freshman year are selected for their disciplinary value, in order that students may the more profitably pursue, in subsequent years, whatever they may elect.

The required studies of the Sophomore, Junior, and Senior years are restricted to English, German, French,

Biology, History and Philosophy, the pursuit of which in their respective courses is deemed necessary for students who are to be recommended for a collegiate degree.

The elective studies offer the student a large number of subjects, and are so placed in the curriculum that freedom of choice is allowed within the necessary limitations of the schedule of recitations.

REQUIREMENTS FOR ADMISSION.

Four different courses of study are pursued in this College: The Classical Course, the Philosophical Course, the Scientific Course and the Agricultural Course.

Candidates for admission to these courses are examined in the following subjects:

FOR ALL COURSES.

ENGLISH—1. GRAMMAR finished. COMPOSITION, equivalent to Newcomer's Composition. RHETORIC, equivalent to Genung's Outlines of Rhetoric to Chapter V. LITERATURE, equivalent to Syle's From Milton to Tennyson, any thirty selections. In addition the candidate must write a short essay on a subject announced at the examination and connected with the selections prescribed for study. 2. GEOGRAPHY. 3. HISTORY AND CONSTITUTION OF THE UNITED STATES. 4. HISTORY OF THE EASTERN NATIONS, GREECE AND ROME. 5. ELEMENTARY BOTANY, as specified under requirements for the Scientific Course.

MATHEMATICS—ARITHMETIC, including square and cube roots, and the metric system. Accuracy and skill in analysis are the chief requisites of this subject. GEOMETRY, plane and solid, equivalent to Beman and Smith's entire text. The ability to solve neatly and rapidly original exercises is insisted upon and candidates for admission are liable to be tested especially on this acquirement. ALGEBRA, including quadratic equations, simultaneous quadratics, fractional and negative indices, surds, complex quantities, ratio and proportion—equivalent to the first twenty three chapters of Stringham's Smith's Elementary Algebra. The work must be strictly equivalent to that mentioned, and the candidate must have a thorough knowledge of, and skill in, handling examples of the special topics mentioned.

In addition to these subjects, candidates for admission to the several courses are examined in special subjects as follows:

FOR THE CLASSICAL COURSE.

LATIN—GRAMMAR, including Prosody (Allen and Greenough). CÆSAR, four books. CICERO, eight orations (i. e. three times the amount of text in the four against Catiline). VERGIL, four thousand lines. COMPOSITION, (Riggs or Daniell). ROMAN ANTIQUITIES, Tighe, Wilkins,

GREEK—GRAMMAR, including Prosody (Goodwin or Hadley-Allen). XENOPHON'S ANABASIS, four books, or the first 111 pages of Goodwin's Greek Reader. HOMER'S ILIAD, three books. COMPOSITION (Woodruff entire). CLASSICAL GEOGRAPHY.

FOR THE PHILOSOPHICAL COURSE.

LATIN—GRAMMAR, including Prosody (Allen and Greenough). CÆSAR, four books. CICERO, eight orations (i. e. three times the amount of text in the four against Catiline). VERGIL, four thousand lines. COMPOSITION (Riggs or Daniell). ROMAN ANTIQUITIES, Tighe, Wilkins.

NATURAL SCIENCE—ELEMENTARY ZOOLOGY, PHYSIOLOGY and PHYSICS.

GERMAN—The reading at sight of easy German prose.

FOR THE SCIENTIFIC AND AGRICULTURAL COURSES.

NATURAL SCIENCE—BOTANY, equivalent to Gray's School and Field Book, with a herbarium of at least fifty mounted and classified plants, and the pupil's note book. ZOOLOGY, equivalent to Colton's Practical Zoology and Packard's Brief Course, with the pupil's note-book in dissection. PHYSICS, equivalent to Gage's elements, and note-book showing at least sixty experiments by the pupil. PHYSIOLOGY, equivalent to Walker's.

LANGUAGE—One year of Latin or German, or satisfactory equivalents.

Real equivalents will always be accepted, and candidates for admission are invited to correspond in advance of the examinations with the Professors in whose departments are found the subjects for which they desire to offer substitutes.

The examinations for admission to College will occur on Monday and Tuesday, September 13th and 14th, 1897, and will be arranged as follows:

Monday, 9 A. M. English Branches.

Monday, 2 P. M. Natural Sciences.

Tuesday, 9 A. M. Latin and German.

Tuesday, 2 P. M. Greek and Mathematics.

Persons intending to take these examinations are reminded of the necessity of carefully observing the above program. They are also urged to make special preparation in order to insure success, as a general knowledge of the subjects indicated will not be sufficient.

Attention is called to the Scholarship Prizes for best entrance examinations, which are described hereafter under the head of prizes.

Testimonials of good moral character may be required whenever the Faculty think it necessary. Students from other colleges are always required to produce certificates of honorable dismissal.

Courses of Instruction Arranged According to
the Collegiate Years:

FRESHMAN YEAR.

CLASSICAL COURSE.

FALL TERM.

1. Greek. Courses 1 and 2.	5 hours
2. Latin. Course a.	5 hours
3. *Mathematics. Course 1 b.	3 hours
4. English. Course 1.	2 hours
5. Elocution.	1 hour
6. Bible. (Optional.)	1 hour

WINTER TERM.

1. Greek. Courses 3 and 4.	5 hours
2. Latin. Course b.	5 hours
3. *Mathematics. Course 1 c.	3 hours
4. English. Course 1.	2 hours
5. Elocution.	1 hour
6. Bible. (Optional.)	1 hour
7. Pedagogy. (Optional.)	1 hour

SPRING TERM.

1. Greek. Courses 5 and 6.	5 hours
2. Latin. Course c.	5 hours
3. *Mathematics. Course 1 c.	3 hours
4. English. Course 1.	2 hours
5. Pedagogy. (Optional.)	1 hour
6. Elocution. Course 1.	1 hour

 PHILOSOPHICAL COURSE.

FALL TERM.

1. Latin. Course a.	5 hours
2. German. Courses 2 a, 2 b.	5 hours
3. *Mathematics. Course 1 b.	3 hours
4. English. Course 1.	2 hours
5. Elocution.	1 hour
6. Bible. (Optional.)	1 hour

WINTER TERM.

1. Latin. Course b.	5 hours
2. German. Courses 3 a, 3 b.	5 hours
3. *Mathematics. Course 1 c.	3 hours
4. English. Course 1.	2 hours
5. Elocution.	1 hour
6. Bible. (Optional).	1 hour
7. Pedagogy. (Optional.)	1 hour

SPRING TERM.

1. Latin. Course c.	5 hours
2. German. Courses 4 a, 4 b.	5 hours
3. *Mathematics. Course 1 c.	3 hours
4. English. Course 1.	2 hours
5. Pedagogy. (Optional).	1 hour
6. Elocution. Course 1.	1 hour

SCIENTIFIC AND AGRICULTURAL COURSES.

FALL TERM.

1. *Mathematics. Course 1 a.	2 hours
2. Course 1 b.	3 hours
3. Biology. Courses 1 and 2.	5 hours
4. German. Course 1 or 2 a.	3 hours
5. English. Course 1	2 hours
6. Elocution.	1 hour
7. Bible. (Optional.)	1 hour

 *Elective. See foot-note p. 17.

WINTER TERM.

1. *Mathematics.	Course 1 a.	2 hours
2.	Course 1 c.	3 hours
3.	Biology. Courses 1 and 2.	5 hours
4.	German. Course 1 or 3 a.	3 hours
5.	English. Course 1.	2 hours
6.	Elocution.	1 hour
7.	Bible. (Optional.)	1 hour
8.	Pedagogy. (Optional.)	1 hour

SPRING TERM.

1. *Mathematics.	Course 1 a.	2 hours
2.	Course 1 c.	3 hours
3.	English. Course 1.	2 hours
4.	Biology. Courses 1 and 2.	5 hours
5.	German. Course 1 or 4 a.	3 hours
6.	Pedagogy. (Optional.)	1 hour
7.	Elocution. Course 1.	1 hour

*Elective. Students not electing mathematics must choose an equivalent amount of work in other subjects.

SOPHOMORE YEAR.

ALL COURSES.

FALL TERM.

Required.

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|----|-----------|---|---------|
| 1. | Rhetoric. | Course 3. | 3 hours |
| 2. | History. | Course 1. | 2 hours |
| 3. | Biology. | Course 2. Classical and Philosophi-
cal Courses. | 3 hours |
| 4. | German. | Course 2 a, or | |
| | French. | Course 1. Scientific Course. | 3 hours |

Elective. Students to take 7 hours.

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|-----|---------------|---------------------|---------|
| 1. | Greek. | Course 10. | 2 hours |
| 2. | Latin. | Course 6. | 2 hours |
| 3. | Mathematics. | Course 3. | 5 hours |
| | | Course 15. Physics. | 2 hours |
| 4. | German. | Course 5. | 2 hours |
| | | Course 1. | 3 hours |
| 5. | French. | Course 1. | 3 hours |
| 6. | Zoology. | Course 2. | 5 hours |
| 7. | Physiography. | Course 1. | 1 hour |
| 8. | Chemistry. | Course 1. | 5 hours |
| 9. | Bible. | | 1 hour |
| 10. | Botany. | Course 1. | 5 hours |
| 11. | English. | Course 6. | 2 hours |
| 12. | History. | Course 6. | 2 hours |

WINTER TERM.

Required.

- | | | | |
|----|-----------|-----------|---------|
| 1. | Rhetoric. | Course 3. | 3 hours |
| 2. | History. | Course 1. | 2 hours |

3. Biology. Course 2. Classical and Philo-
sophical Courses. 3 hours

4. German. Course 3 a, or
French. Course 2. Scientific Course. 3 hours

Elective. Student to take 7 hours.

1. Greek. Course 11. 2 hours

2. Latin. Course 6. 2 hours

3. Mathematics. Course 3. 5 hours

Course 15. Physics. 2 hours

4. German. Course 6. 2 hours

Course 1. 3 hours

5. French. Course 2. 3 hours

6. Zoology. Course 2. 5 hours

7. Physiography. Course 1. 1 hour

8. Chemistry. Course 1. 5 hours

9. Bible. 1 hour

10. Botany. Course 1. 5 hours

11. Pedagogy. 1 hour

12. English. Course 6. 2 hours

13. History. Course 6. 2 hours

SPRING TERM.

Required.

1. Rhetoric. Course 3. 3 hours

2. History. Course 1. 2 hours

3. Biology. Course 2. Classical and Philo-
sophical Courses. 3 hours

4. German Course 4 a, or
French. Course 3. Scientific Course. 3 hours

Elective. Student to take 7 hours.

1. Greek. Course 12. 2 hours

2. Latin. Course 6. 2 hours

3. Mathematics. Course 3. 5 hours

Course 15. Physics. 2 hours

4.	German.	Course 8.	2 hours
		Course 1.	3 hours
5.	French.	Course 3.	3 hours
6.	Zoology.	Course 2.	5 hours
7.	Physiography.	Course 1.	1 hour
8.	Chemistry.	Course 1.	5 hours
9.	Botany.	Course 1.	5 hours
10.	Pedagogy.		1 hour
11.	English.	Course 6.	2 hours
		Course 13.	3 hours
12.	History.	Course 6.	2 hours

JUNIOR YEAR.

ALL COURSES.

FALL TERM.

Required.

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|-------------------------------|---------|
| 1. English History. Course 2. | 5 hours |
| 2. Oratory. Course 5. | 1 hour |

Elective. Student to take 10 hours.

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|--------------------------------------|---------|
| 1. Greek. Course 10. | 2 hours |
| 2. Latin. Course 6. | 2 hours |
| 3. Mathematics. Course 6. | 3 hours |
| Course 2. | 2 hours |
| 4. Botany. Economic. Course 2. | 2 hours |
| 5. Botany. Course 4. | 1 hour |
| 6. Anatomy and Physiology. Course 5. | 2 hours |
| 7. Geology. Economic. Course 3. | 2 hours |
| 8. Bible. | 1 hour |
| 9. English. Course 10. | 5 hours |
| 10. Zoology. Course 2. | 5 hours |
| 11. German. Course 5. | 2 hours |
| 12. French. Course 1. | 3 hours |
| 13. Geology. Course 2. | 3 hours |
| 14. History. Course 7. | 3 hours |

WINTER TERM.

Required.

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|----------------------------------|---------|
| 1. English Literature. Course 4. | 5 hours |
| 2. Oratory. Course 5. | 1 hour |

Elective. Student to take 10 hours.

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|----------------------|---------|
| 1. Greek. Course 11. | 2 hours |
|----------------------|---------|

2.	Latin. Course 6.	2 hours
3.	Mathematics. Course 6.	3 hours
	Course 2.	2 hours
4.	Botany Economic. Course 2.	2 hours
5.	Botany. Course 4.	1 hour
6.	Anatomy and Physiology. Course 5.	2 hours
7.	Geology. Economic. Course 3.	2 hours
8.	Bible.	1 hour
9.	Pedagogy.	1 hour
10.	English. Course 11.	5 hours
11.	Zoology. Course 2.	5 hours
12.	German. Course 6.	2 hours
13.	French. Course 2.	3 hours
14.	Geology. Course 2.	3 hours
15.	History. Course 8.	3 hours

SPRING TERM.

Required.

1.	English Literature. Course 4.	5 hours
2.	Oratory. Course 5.	1 hour

Elective. Student to take 10 hours.

1.	Greek. Course 12.	2 hours
2.	Latin. Course 6.	2 hours
3.	Mathematics. Course 6.	3 hours
	Course 2.	2 hours
4.	Botany. Course 2.	2 hours
5.	Botany. Course 4.	1 hour
6.	Geology. Economic. Course 3.	3 hours
7.	Pedagogy.	1 hour
8.	English. Course 11.	5 hours
9.	Zoology. Course 2.	5 hours
10.	German. Course 8.	2 hours
11.	French. Course 3.	3 hours
12.	Geology. Course 2.	3 hours
13.	History. Course 9.	3 hours

SENIOR YEAR.

ALL COURSES.

FALL TERM.

Required.

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|----------------|---------|
| 1. Philosophy. | 5 hours |
|----------------|---------|

Elective. Student to take 10 hours.

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|--------------------------------------|---------|
| 1. Latin. Course 6. | 2 hours |
| 2. Mathematics. Course 8. | 3 hours |
| Course 7. | 2 hours |
| 3. Logic. | 3 hours |
| 4. English. Course 10. | 5 hours |
| 5. Anatomy and Physiology. Course 5. | 2 hours |
| 6. Entomology. Economic. Course 3. | 3 hours |
| 7. History. Course 4. | 3 hours |
| 8. Political Science. | 5 hours |
| 9. Bible. | 1 hour |
| 10. Greek. Course 10. | 2 hours |
| 11. Sociology. | 3 hours |
| 12. English. Course 15. | 2 hours |

WINTER TERM.

Required.

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|----------------|---------|
| 1. Philosophy. | 5 hours |
|----------------|---------|

Elective. Student to take 10 hours.

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|---------------------------|---------|
| 1. Latin. Course 6. | 2 hours |
| 2. Mathematics. Course 8. | 3 hours |
| Course 7. | 2 hours |
| 3. English. Course 11. | 5 hours |

4.	Anatomy and Physiology.	Course 5.	2 hours
5.	Entomology.	Economic. Course 3.	3 hours
6.	Literature.	Course 12, Oriental and Classical.	2 hours
7.	Political Science.		5 hours
8.	Bible.		1 hour
9.	Pedagogy.		1 hour
10.	Greek.	Course 11.	2 hours
11.	English.	Course 15.	2 hours

SPRING TERM.

Required.

1.	Philosophy.	5 hours
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Elective. Student to take 10 hours.

1.	Latin.	Course 6.	2 hours
2.	Mathematics.	Course 8.	3 hours
		Course 7.	2 hours
3.	Greek.	Course 12.	2 hours
4.	English.	Course 11.	5 hours
5.	Entomology.	Economic. Course 3.	3 hours
6.	Literature.	Course 7.	2 hours
7.	Christian Evidences.		3 hours
8.	Pedagogy.		1 hour
9.	English.	Course 15.	2 hours

DEPARTMENTS OF INSTRUCTION.

PSYCHOLOGY, ETHICS AND PHILOSOPHY.

The study of Philosophy should begin with the elements of Psychology. The aim is to secure both comprehensiveness and thoroughness. No substantial progress can be made without first carefully considering the mental subject and its functions. The instruction will begin with an investigation of the various forms of mental phenomena. The work is divided into three subjects:

PSYCHOLOGY.

Mind will be studied in connection with the nervous system and its functions. As far as practical, experimental methods will be employed, but the constant appeal will be to consciousness. Although the course will be taught by the use of a text-book, considerable time will be taken, from the first, in oral instruction. The views of different authors will be compared and criticised. Among the topics considered will be: The Relations of the Soul to Matter; The Faculties, the limitations and correlations: Consciousness, its varieties and products; Classes and Media of Sense-Perceptions; Representation, its nature and forms and relation to habits of thought, speech and action; Thought and thought-knowledge, the nature of the concept and its formation; Products of thought, Judgment, Reasoning, System; Intuition and the relations of intuitive knowledge; Laws of thought and belief. Required course, Senior year. Five hours a week.

Logic. The forms of thought and the different modes of reasoning will be considered. Elective course, Senior year. Three hours a week.

Ethics. The nature and grounds of obligation will be considered, and the grounds of the distinctions of right and wrong, of virtuous and sinful actions; Functions of Conscience; Moral Judgment; Relation of the Will of God to Moral Judgment; the Will of God, how made known; Relation of Benevolence to the various virtues and vices; Government; Rights and Duties, and their correlation—Love the substance of both; Duties to God; Duties to Man; Relation of the sexes; Civil Society, with its rights and obligations; Rights—Life, Liberty, Reputation, Property; Duties—Self culture, Fidelity, Veracity. Required course, Senior year, following the Psychology. Five hours a week.

Theism. The Personality of God and Man; Arguments for the being of God; Anti-Theistic Theories; Pantheism, Positivism, Materialism, Agnosticism.

Evidences of Christianity. Prophecy; Miracles; Character of Christ; Nature of His Doctrines; Character of the Apostles; the Credibility of the Witnesses; the Spread and Effects of the System; Contrast with other Religions; Settlement of the Canon; Harmony with Modern Science. Elective course, Senior year, third term. Three hours a week.

PSYCHO-PHYSICS

has to do with the natural laws of physiology as applied to psychology. To present this subject according to its recognition as a department of natural science, experimental and physiological methods are pursued.

The lectures treat of the cerebral and nervous apparatus, etc., as follows:

1. The normal anatomy, including histology.
2. Its functional elements; the normal physical and psychical activities.
3. The lesions of its organization, or the occurrence of the abnormal in development.

4. The lesions of disorganization or the acquired abnormal states.

PHILOSOPHY.

Philosophy investigates essential natures and first principles and causes. Hence the philosophic exercises of the mind are characteristically conversant about Real Being. Being is that which truly is and exists. And, therefore, Being is that which underlies and effects all the phenomena of the visible world.

Philosophy affirms Being to be a subject of immediate and verifiable human knowledge; that Being is the source and cause of all apparent life and motion and form in visible Nature, and a subject equally and truly as knowable as its phenomena.

The method of Philosophy is psychologic.

1. The psychologic and philosophic ground of all knowledge is found in the constitution of the Soul.
2. Man is related through and by means of consciousness to Matter and Mind and Deity. Hence man is capable of knowledge in each of these subjects.
3. The Doctrine of Consciousness—it is the ground and condition of all knowledge whatever.
4. The scientific and philosophic principles of the Soul in which it is related to material nature, to Mind, and to Deity.
5. The scientific and philosophic proofs of the doctrine of the Immortality of the Soul.
6. The microcosmic constitution of man as the ground of the universal range of his capabilities of knowledge.
7. Nature—The differentiation of Mind and Matter, considered apart and in relation. The life principle is the active element, and the material principle is the passive and instrumental element; and a certain orderly conjunction of the vital with the material element is the fact of organization.

8. The Philosophy of Conscience, of Faith, of Knowledge, and of Law, as topics illustrative of the principles and the argument. The limit of this notice necessarily precludes intelligible outlines.

From this point of view of Real Being, essentially and relatively identified, the course in Philosophy is intended to exercise the mind in the analytic and contemplative speculation and review of the Sciences, Physical, Metaphysical, and Theistic, and in the philosophic comprehension of all the sciences as they unite in a manifest and knowable First Cause.

The course will consist, for the present, of about thirty-five lectures, to be delivered to the Senior class during the several terms of the Senior year. Required course.

HISTORY.

History enables the student to appropriate the wisdom and experience of preceding ages. The aim of the instruction in this department is first to furnish the general information that is necessary for intelligent citizenship and the demands of social life, and second to give such training as will be valuable to students who are looking forward to the profession of Law or Journalism. In history the courses offer in connection with the preparatory courses a somewhat comprehensive study of events from the beginning of Greek civilization down to the present time. As far as practicable the work is intended to be continuous. The required studies of the College Course in History are:

1. A course in General History during the Sophomore year. It begins with "The Migration of the Nations" in the 4th century. The text will be Prof. Fisher's Outlines, and frequent synopses and discussions, in writing, will be required. Entire year, 2 hours.

2. English History will be studied in the text of Gar

diner's Student's History during the fall term of the Junior year. A previous knowledge of Ancient and Mediæval History will be assumed, and the benefits of the study, as well as its necessity, will be felt in the subsequent studies of Political Science and of English Literature. Frequent papers and discussions will be called for in the course of this study. Fall term, 5 hours.

4. An elective course in History from 1848 to 1890 will be offered to those who have taken Ancient, Mediæval and all previous Modern History. It will occupy three hours per week, and will consist of lectures, examinations and papers on prescribed topics. This will continue during the fall term.

6. French History. This course follows the development of the present French nation from the primitive inhabitants down to 1889. The class will use Duruy's History of France as text, and do such reference work as may be deemed advisable. Entire year, 2 hours.

7. Modern Europe. The period covered extends from the close of the 15th century to the beginning of the French Revolution. Special attention is given to the Protestant Reformation and the beginning of the revolution in political ideas. Text: Duruy's History of Modern Times. Fall term, 3 hours.

8. French Revolution. The Revolution is studied in its relations to all the leading countries of Europe. The course begins with the meeting of the States General and closes with the Congress of Vienna. Text: H. Morse Stephens' Europe and the Revolution. Winter term, 3 hours.

9. Nineteenth Century. The course deals with the development of the European states in the present century and extends from the Congress of Vienna to 1893.

Text: Prothero's Europe in the Nineteenth century. Spring term, 3 hours.

Courses 6, 7, 8 and 9 are open to students who have had Course 1 or its equivalent.

ECONOMICS.

Political science is studied not only in its abstract relations, but as connected with sociology and ethics.

In production, the student's attention is directed to its factors—the forces of nature, capital and labor. The distribution of the product, and the laws which regulate this distribution are then considered. Following distribution of the product, and the laws which regulate this distribution comes exchange. Should it be free or taxed; and, if taxed, for what purpose, and to what extent? Consumption, both productive and destructive, with charities, subsidies, free education, and public works, receive due attention. The laws of God which apply to society, of which our Federal Constitution is the best statement, are then taken up and considered. The origin and history of the Constitution; its amendments; its development by legislation, and by judicial decisions, and its adaptability to all future needs are thoroughly impressed upon the student.

An elective course in Political Economy and in Political Science—using Newcomb, and Stern's Development of the Constitution as texts—will be offered to those who have previously taken the courses in History. This will continue through the first and second terms, five hours each week. Papers and discussions on prescribed topics will be frequently called for.

An elective course in Sociology will be offered to students who have taken all previous courses in history. This will occupy three hours each week. The text mainly followed will be Small and Vincent's Introduction to the Study of Society.

This course will alternate with the course in History from 1848 to 1890, and will be given in 1898 and 1899.

MATHEMATICS AND PHYSICS.

All the work in this department is elective. The courses are arranged in such a way that a student can in a four years' course elect all the work offered without omitting any required work from his course. If this be done he will carry five hours of mathematics in his first year, seven hours in his second year, ten hours in each of the other two years. The field thus covered it is believed is amply sufficient to prepare a student to take a university course consisting of strictly *graduate* work. As a basis for university work for preparation for teaching or for professional work in engineering or allied fields, the course laid down is thought to be the best. Two years' work following this course ought to be sufficient to secure the doctor's degree or the professional degree. There occurs in each year a line of applied mathematics, which is indispensable to the student of Architecture, Astronomy, Engineering, Mechanics, Physics, etc. The work of the first two years is that covered by the best institutions of the land. This occurs yearly. The remaining work is alternating.

The objective situation of the student at the completion of the course is that he shall perceive the entire field of mathematics in perspective. To secure this the instruction is so planned as to bring out as far as possible the internal relations of one part to another, and of each to the whole. It is believed that by the formation of clear conceptions, and the emphasis of perfect definiteness throughout, the student's grasp of the subject will be made firm and complete. The modern notions of function, group, invariant, multiple quantity, etc., are introduced early and developed wherever occasion offers. Experience has proved the feasibility of this plan, and the great gain it is for the student. The colloquium and the seminary are introduced in places in an elementary way, in order

that the student may learn to adopt the most efficient method of study, and may have some familiarity with these methods before entering upon his graduate work. It is hoped that this familiarity will enable him to proceed more rapidly with such work. In the applied mathematical subjects the effort is to train the student to make use of theoretical results, and to solve the problems that occur in such subjects accurately and rapidly.

Students who elect the higher branches must be able to read French and German.

CONSPECTUS OF THE WORK.

First Year—

- 1 a. Algebra: Two-fifths course.
- 1 b. Trigonometry: Three-fifths course in the Autumn.
- 1 c. Analytical Geometry: Three-fifths course in Winter and Spring.

Second Year—

- 3. Differential and Integral Calculus. Three-fifths course.
- 12. Physics: Two-fifths course. [1899-1900].
- 15. Physics: Two-fifths course. [1897-8].
- 5. Astronomy: Two-fifths course. [1898-9].

Third Year—

- 4. Laboratory Physics. Two-fifth course. [1898-9].
- 2. Applied Mathematics. Two-fifths course. [1897-8].
- 6. Advanced Plane Geometry: Three-fifths course [1897-8].
- 16. Advanced Algebra: Three-fifths course. [1898-9].

Fourth Year—

- 7. Theoretical Mechanics: Two-fifths course. [1897-8].
- 11. Advanced Calculus and Function-Theory: Three-fifths course. [1898-9].

8. Quaternions and Solid Geometry. Three-fifths course. [1897-8].
9. Differential Equations, Definite Integrals, Calculus of Variations: Three-fifths course. [1898-9].

COURSES IN DETAIL.

1 a. *Algebra: Taylor's College Algebra.* Two-fifths. The first part of this work is a rapid review of Algebra from the beginning, special attention being given to the proofs of the fundamental operations, and their extension from integers to all numbers. The second part treats of functions, limits, derivatives, series, logarithms, permutations, probability, continued fractions, theory of equations, determinants, and graphic representations. Prerequisite, entrance mathematics.

1 b. *Trigonometry: Jones'; Jones' Tables.* Three-fifths in the Autumn. A study of triangles and their solutions, plane and spherical. Special stress is laid on the practical side of the subject as well as on the formulæ. Prerequisite, entrance mathematics.

1 c. *Analytical Geometry: Lambert.* Three-fifths in the Winter and Spring. In this course the student learns to apply algebra to geometry, particularly the method of co-ordinates. The properties of the straight line, the circle, the ellipse, the parabola, the hyperbola, the cardioid, the conchoid, the cissoid, the lemniscate, the witch, the cycloid, various spirals; the plane, the straight line in space, quadric surfaces in general, are discussed. The work closes with a brief study of modern geometry: the cross-ratio, projective properties, homogeneous and other co-ordinates, and dualism. Prerequisite 1 b.

2. *Applied Mathematics: Trautwine's Engineer's Pocketbook; Lectures.* Two-fifths. In this course the use of the transit and the level is learned, much field work

being required with this in view. Beyond this, the principles of land surveying, location of corners, division of lands, cross-sectioning, earthwork, and simple bridges and other structures, are taught. Prerequisite 1 b.

3. *Differential and Integral Calculus: Byerly. Byerly's Problems.* Five-fifths. This is probably the most powerful branch of mathematics. Its ideas and methods not only permeate every line of mathematics but have a very great power in philosophy. It treats such functions as are *continuous* and determines many of their properties. By its aid we compute lengths of curves, areas enclosed by curves, areas on surfaces, volumes, masses, centers of gravity, moments of inertia, equations of motion, average values, probabilities, and all problems of mechanics, physics, astronomy, etc. It enables us to study such properties of curves and surfaces as tangents, curvature, geodesics, and the like. It furnishes methods for developments in series, maxima and minima, total values of functions along a line, over a surface, or through a space. It further develops new functions and their properties, as the gamma function, elliptic functions, etc. The course closes with an elementary treatment of the theory of functions of a complex variable, their differentiation and integration. Prerequisites 1 a, 1 b, 1 c.

4. *Laboratory Physics: Nichol's Junior Course.* Two-fifths. A course in the use of physical measuring instruments and deduction of laws from the results of observations. Exact experiments are made in dimensions, curvature, density, forces, machines, pendulums, elasticity, balances, hydrometers, barometer, calorimetry, specific heat, latent heat, static electricity, magnetic curves, moments, intensities, electric currents, galvanometers, electromotive force, potential, resistance, capacity, induction, pitch, velocity of sound, sonometer, mirrors, lenses, indices

of refraction, spectrometer, photometer, polarimeter, and others. Prerequisite, course 3.

5. *Astronomy: Young.* Two-fifths. A general course covering the various phases of this interesting branch of science. Lectures supplementary to the text are given. Prerequisite, courses 1 a, 1 b.

6. *Advanced Plane Geometry: Scott's Modern Analytical Geometry, Lectures on Pure Geometry, Projective Geometry, and Higher Plane Curves.* Three-fifths. The Autumn term is devoted to the text, with collateral readings. This covers the field of modern methods and introduces especially duality, homography, involution, projection, linear transformation, correspondence, birational transformations, the absolute, invariants, covariants. General or non-euclidean geometry of the plane is then touched upon. Following this are the properties of the triangle, the theory of perspective, the circle, theory of reciprocation, properties of two circles, coaxal circles, inversion, systems of circles, systems of conics, invariant-theory, polar-theory, singular points, Pluecker's formulas, covariant curves, systems of curves, characteristics, curves of third order and third class, curves of fourth order. Prerequisite, course 3.

7. *Theoretical Mechanics: Ziwet.* Two-fifths. This is a study of motion, force and energy. It is the foundation of all work in Physics, Architecture and Engineering. There are three parts: Kinematics, Dynamics and Statics, Kinetics. The treatment of problems is both algebraic and graphic. The first part covers the geometry of motion, translations, rotations, screws; linear, plane and solid kinematics. Some of the special topics are falling bodies, projectiles, piston motion, the pendulum, and link-motion. Part two discusses centers of gravity, forces, couples, plane statics, solid statics, virtual work, and attrac-

tive forces. Centroids, forces in frameworks, catenaries, friction, jointed frames, and trusses are some of the applications. Part three touches on impact, rectilinear and curvilinear motion. LaGrange's equations, moments of inertia, constraints, free rigid bodies, variable systems. Among other special topics are rams, steam engine indicators, horse power, planetary motion. Prerequisite, 3.

8. *Quaternions: Tait, Hathaway.* Three-fifths. This powerful algebra develops the laws and relations of multiple quantities of three and of four dimensions. Its value in mathematical investigations is daily increasing both in pure and applied mathematics. It is, for example, the gateway to one of the profoundest of mathematical subjects,—multiple algebra. It is especially applicable to space of three dimensions and it is made in this course the basis of treatment of advanced solid geometry. The course covers the development of the properties of the plane, the straight line, complexes and congruences, the tetrahedron, the sphere, quadric surfaces, systems of quadrics, tangent planes, normals, twisted curves, planes of osculation, geodetic lines, lines of curvature, families of surfaces, curvature, transformation of space. Prerequisite 3.

9. *Differential Equations: Fourier's Series; Definite Integrals; Calculus of Variations: Forsythe's Differential Equations; Byerly's Fourier's Series; Lectures.* Three-fifths. This course gives first a general treatment of the usual cases of differential equations, including the hypergeometric functions and partial differential equations. It is followed by a treatment of trigonometric series, harmonics, etc., with applications to Physics. A course of lectures on definite integrals and the calculus of variations closes the work. Prerequisite, 3.

11. *Advanced Calculus: Harnack's Calculus; Harkness and Morley's Theory of Functions.* Three-fifths. A course beginning with the functions of a real variable.

integers, fractions, rationals, irrationals, Cantor's and Hankel's theories, singularities of functions, continuities, discontinuities, derivatives, integrals, infinite series. Following this is a study of complex functions, their integration, Weierstrass', Cauchy's, and Riemann's methods and theorems. In particular elliptic functions, double theta-functions, and Abelian integrals are considered. Prerequisite 3.

11. *General Physics: Gage's Principles.* Two-fifths. An elementary course in general physics, consisting of recitations, readings, lectures, and experiments. Prerequisite, entrance mathematics.

15. *Special Physics: Lectures. Reference, Ames' Theory of Physics.* Two-fifths. A course of lectures illustrated by experiments on special topics selected from all divisions of Physics. These lectures will include "The Atmosphere," "Weather," "Snow, Rain, Hail, etc.," "Winds and Storms," "The Aurora," "The Rainbow," "Perpetual Motion," "What is Matter?" "The Ether," "The Phonograph," "The Telephone," "The Cable," "The Spectroscope," "The Polariscope," "The Microscope," "The Telescope," "The Dynamo," "The Battery," "The Electric Light," "The X-rays," etc. Prerequisite, entrance mathematics and physics.

16. *Advanced Algebra: Elliott's Quantics, Lectures* Three-fifths. A course first of the invariants and covariants of linear transformations. These are developed mainly for binary quantics, secondarily for ternary quantics. This ground is covered rather exhaustively. Lectures then follow on invariants in general, transformations, substitutions, groups both discontinuous and continuous, matrices, multiple algebra. The subjects mentioned are covered in as elementary a manner as possible, and are profusely illustrated with examples. The effort is to give

the student some undergraduate acquaintance with these fruitful topics. Prerequisite, 3.

PHYSICAL LABORATORY.

The laboratory is equipped with desks for students, lecture room, sink, water, gas, and work shop. The apparatus includes a large quantity of lecture apparatus, and a good supply of instruments for quantitative work in mechanics, heat, light, magnetism and electricity. The instruments of precision include a Browning spectrometer reading to minutes; diffraction grating by Rowland, separating the E line; micrometer calipers, micrometric attachments with large microscope; quantitative balance; astatic galvanometer and thermopile; spherometer; large polarimeter; sextant and optic circle reading to $7\frac{1}{2}$ seconds; galvanometers of tangent, sine, Helmholtz-Gauguin, Weidemann, vibration mirror, and Dupres-D'Arsonval types; Bunsen ice colarimeters; resistances; Atwood machine; piezometer; government standard barometer; Wollaston goniometer; electromagnet for diamagnetic work; small electric motor; Coulomb balance; magnetometer; quadrant electrometer; resistance box and bridge and others. New pieces are added yearly so that the equipment is thoroughly modern.

THE GREEK LANGUAGE AND LITERATURE.

The work in this department is required through the Freshman year, and may be elected in alternating courses for two succeeding years.

The main purpose of the required courses, in view of the limited time assigned to them, is to enable the student to read easily and at sight. The most difficult authors, therefore, are not chosen, but those whose style is simple and most fairly representative of the Epic and the Attic Greek. This method, far from encouraging superficiality,

makes the careful study of accidence and syntax a continual necessity.

The elective courses are designed for those who desire to specialize in Greek or to make a further study of Greek literature.

REQUIRED.

1. *Homer*. In this course a thorough knowledge of Homeric forms and a fair knowledge of the Homeric vocabulary are pre-supposed. Attention is therefore directed less to distinctively grammatical work and more to rapid reading and translation. From eight to ten books of the *Odyssey* are read—large portions of them at sight—and a just appreciation of their literary value is diligently sought. Four hours a week; fall term.
2. *Greek Mythology*. This course is intimately associated with course 1, and is supplementary to it. Topics suggested by the reading of Homer receive full consideration. A systematic and thorough study of the subject is made by the use of Gayley's *Classic Myths* as a text-book, and various works of reference. One hour a week; fall term.
3. *Lysias*. Selected orations are read, accompanied by a thorough review of Attic forms and syntax. Four hours a week; winter term.
4. *Prose Composition*. The translation of English exercises based upon the text of Lysias constitutes the main work of this course. One hour a week; winter term.
5. *Plato*. The *Apology* and *Crito* are read, and in connection with them many passages from other works which bear upon the subjects treated. A brief outline of the History of Philosophy is also given. Five hours a week; spring term.

6. *Xenophon*. As a supplement to course 5, portions of the *Memorabilia* are read, either before the reading of the *Apology* and *Crito*, or in connection with it, thus affording the opportunity to study the character of Socrates from the standpoint of Xenophon as well as of Plato. Spring term.

ELECTIVE.

7. *Tragedy*. Selected plays of Euripides are read. The origin and development of the drama, its structure in its perfected form; the Attic theater, its construction, its maintenance, its place in the public and private life of the Athenians, are among the subjects treated by lecture, and also assigned to the student for special investigation. Two hours a week; fall term.
8. *Tragedy*. This course is a continuation of course 7 and is devoted to the study of some of the plays of Sophocles and Æschylus. Two hours a week; winter term.
9. *Comedy*. *The Clouds* of Aristophanes is made the basis of a study of the Greek Comedy, its history, form, and influence. The bearing of this drama upon Philosophy, and especially upon that of Socrates, is discussed. Representative passages from other comedies are also read. Two hours a week; spring term.
10. *Oratory*. The translation of the *Philippics* is accompanied by the study of the history of the time, of the Athenian financial and military systems, and of the Athenian legislative bodies. The style of Demosthenes is the subject of careful study, several orations being analyzed and discussed as masterpieces of eloquence. Parts of Jebb's *Attic Orators* and *Primer of Greek Literature* are assigned for collateral reading. Two hours a week; fall term.

11. *History.* Selections from Thucydides and other Historians are read. Two hours a week; winter term.
 12. *Lyric Poetry.* The object of this course is to give some familiarity with lyric poetry. Selections are read from the best Elegiac, Iambic and Melic poets, such as Theognis, Mimnermus, Xenophanes, Sappho, Alcaeus, and Anacreon. Two hours a week; spring term.
- A course in Hellenistic Greek will be given if desired by a sufficient number of students.

Text-books for the Required Courses: Keep's Autenrieth's Homeric Dictionary; Perrin's Odyssey, Books I-IV.; Teubner text of the Odyssey, Books I-XII.; Gayley's Classic Myths; Morgan's Lysias; Dyer's Plato's Apology and Crito; Winan's Xenophon's Memorabilia; Goodwin's Grammar; Liddell & Scott's Lexicon.

THE GERMAN LANGUAGE AND LITERATURE.

Courses 2a to 4b, inclusive, are required of all Philosophical Freshmen.

Courses 2a, 3a, and 4a are required of all Scientific Freshmen who have had a year of preparatory German. The above courses are also open to all students who are able to read at sight simple prose.

Course 1 is required of all Scientific Freshmen who have had no preparatory German; it is designed also as an elective for Classical students.

The works read vary from year to year, but for the ensuing year are detailed below. An effort is made to give some familiarity with the classic works of Schiller, Goethe and Lessing, as well as the best representatives of contemporary German literature.

In addition to the works specified, others adapted for sight reading are used as opportunity offers. For those desiring to use German in scientific studies, a course of reading in Scientific German is given. While every reci-

tation is to a large degree an exercise in the conversational use of German, a separate course is devoted to this subject in connection with the work of the Freshman year.

1. *Elementary German*. It is proposed to accomplish by this three-fifths course what is ordinarily accomplished by the full preparatory course. For the fall term the text-book is Thomas's *Practical German Grammar*. This is followed by the reading and translation of easy German texts. Three hours a week; the entire year.
- 2a. *Nineteenth Century Writers*. Selections are read from Heyse, Storm, Stifter and others. Three hours a week; fall term.
- 2b. *German Composition and Colloquial Exercises*. Harris's *German Prose Composition* is used as a text-book. The object of the course is to give as much practice as possible in writing and speaking German. Two hours a week; fall term.
- 3a. *Schiller*. A study is made of one or more of the less difficult of Schiller's plays. Three hours a week; winter term.
- 3b. *German Composition*. This course is a continuation of 2b. Two hours a week; winter term.
- 4a. *Comedy*. This course affords an introduction to German comedy, and is also valuable as giving an acquaintance with many modern colloquialisms. Three hours a week; spring term.
- 4b. *Biography*. The reading of Becker's *Friedrich des Grosse*. Two hours a week; spring term.

The following courses are open to all who have taken the preceding courses or their equivalent.

5. *Lessing*. Selected works. Two hours a week; fall term.
6. *Goethe*. Selected works. Two hours a week; winter term.

7. *Scientific German.* Dippold's *Scientific German Reader*. Two hours a week; winter term.
This course alternates with course 6.
8. *Historical German Grammar.* This course is based upon Behaghel's *Die Deutsche Sprache*. Two hours a week; spring term.
9. *Historical German.* The reading of Von Sybel's *Die Erhebung Europas gegen Napoleon I.* Two hours a week; spring term. This course alternates with course 8.

ENGLISH AND ORATORY.

The work in English includes courses in English Literature, English Language, Rhetoric, Composition, and Elocution. The object is, first: to give the student command of the English language in speaking and writing; second: to teach him to understand and then to appreciate the essential principles of English Literature and the main course of its development.

REQUIRED.

1. *Composition and Rhetoric.* Exercises in Paragraph writing, and study of the elements of Rhetoric. Genung's *Practical Elements of Rhetoric*, and Scott & Denney's *Paragraph Writing*. Two hours a week.
2. *Elocution.* Practical drill in delivery of declamations, in debating, and in reading aloud. One hour a week; Freshman year.
3. *Higher Rhetoric.* This course considers the essentials of Literature, from the point of view both of Rhetoric and criticism. It forms a basis for the more extended study of English Literature in the following year. Sherman's *Analytics of Literature*. Three hours a week; Sophomore year.
4. *English Literature, including American Literature.*

This study will consist of an analysis of writings and comparative estimate of their merit and influence. Certain authors will be selected for more critical study, and students will be called upon for original reviews and criticisms. Five hours a week; winter and spring terms; Junior year.

ELECTIVE.

5. *Oratory.* Argumentation and Persuasion. Study of models and composition and delivery of orations. Open to students who have had courses 1, 2, and 3. Two hours a week, throughout the year.
6. *Anglo-Saxon.* This course is an introduction to Anglo-Saxon prose, and to the easier poetry. It is open to students who have had courses 1 and 2. Bright's *Anglo-Saxon Reader*. Two hours a week throughout the year.
7. *Shakespeare.* This course considers two plays, a tragedy and a comedy, in detail. Others will be studied more generally. In this and in the two following courses considerable outside reading is required. Open to those who have had courses 1, 2 and 3. Five hours a week; fall term.
8. *The Romantic Poets.* The aim is to present a comprehensive view of the period, with attention chiefly to Gray, Wordsworth, Byron, and Shelley. Open to those who have had course 7. Five hours a week winter term.
9. *Tennyson and Browning.* A study of the poetry of the last half century. Open to those who have had course 7. Five hours a week; spring term. Alternating with courses 7, 8 and 9 are 10 and 11 which will be given in 1898-9.
10. *Chaucer and Middle English.* This course traces the history of the language from the Norman Conquest

- and studies the Canterbury Tales. The aim is largely linguistic. Open to those who have had courses 1, 2 and 3. Five hours a week; fall term.
11. *The Development of English Prose.* Beginning at the end of the Middle English Period, this course traces the growth of Prose Style to the present time. Open to those who have had course 10. Five hours a week; winter and spring terms.
 12. *Oriental and Classical Literature.* A comparative study. Open to those who have had course 4, and the required courses in History. Written and extempore discussions will be frequently called for. Three hours a week; winter term. Two hours a week; spring term.
 13. *Minor Elizabethan Dramatists.* A study of the Elizabethan Drama, designed partly as a presentation of the 16th Century in England, and partly as a setting for Shakespeare. Open to those who have had courses 1, 2 and 3. Three hours a week; spring term.
 14. *Nineteenth Century Essayists.* This course will consider the work of five or six representative authors, and also the history of periodicals during the century. Open to those who have had courses 1, 2 and 3. Three hours, spring term; alternating with course 13. Course 13 will be given in 1897-8.

SCIENCES.

The object of the Science work is to render the student familiar with typical forms of both plant and animal life, also with forms so related to these that the law of evolution in nature is clearly placed before the student's mind.

The greatest possible benefit a student may derive from his work is careful, exact, systematic work, keenness of observation, clear, unprejudiced discrimination and logi-

cal conclusions regarding natural laws developed in the Laboratory.

Each student is required to keep a series of systematic note books in each line of work, showing observations, experiments, and their results, or his own conclusions. These courses in text, references and Laboratory training, prepare the students first of all to become broad-minded, careful thinkers; they also prepare for special work in the technical schools in Botany, Zoology, Biology, Chemistry and Geology; they are especially adapted to the students intending to prepare for medical schools, and for those fitting themselves for science teaching, either in high schools or colleges.

The courses designed especially for agricultural students are of great importance.

EQUIPMENT.

The College is well equipped with Bausch and Lomb microscopes in number sufficient to supply each pair of students.

Proper material for preparing and mounting histological slides is kept constantly on hand.

A large Bullock microscope with micrometer adjustments and Zeiss objectives is used for the finest work, as in Bacteriology.

The Chemical Laboratory possesses the usual equipment, accommodating twenty students with individual desks.

A large list of reference books is at the command of the student, including a complete set of Smithsonian contributions, miscellaneous collections and reports, a full set of the American Journal of Science, and various other valuable reports from the Coast and Geodetic Survey, the Geological survey, the Ethnological Reports and Natural History Surveys.

Constant additions are made to apparatus and books; current periodical are kept on file, as Science, The American Naturalist, the American Journal of Science, Astronomy and Astro-Physics, Botanical Gazette, Microscopical Gazette, and others.

COURSES IN DETAIL.

BIOLOGY.

1. *Elementary Biology: Parker.* This is a course of text-book work, taking up the Amoeba, Hæmatococcus, Heteromita, as typical of three classes of organisms. These are then compared with the constituent parts of the higher animals and plants, showing essential points of resemblance and difference. Advancing from these, Vorticella, the Foraminifera, Diatomaceæ, Mucor, Algae, Agaricus, Nitella, the Hydra and Hydroid Polypes, Polygordius, Starfish, Crayfish, Fresh-water Clam, Dog-fish, Mosses, Ferns, and the higher Angio-sperms are taken up in their successive and natural order, to show the law of differentiation with the increase in complexity of structure. Besides, the embryology of several of the preceding is studied, in order to show the foundation of the law of Evolution. Two hours, throughout the year.

2. *Elementary Practical Biology: Huxley and Martin* for fall and spring terms; *Parker's Zootomy* for the winter term. This is exclusively a course of Laboratory work, throughout the year. Beginning in the fall term, investigations are made on as many of the lower organisms as can possibly be obtained. The work advances to the dissection of the Cray-fish, Earth-worm and Fresh-water Clam. In the Winter term the Fish, Pigeon, and Cat are dissected. In the spring term, the Frog, Fern and higher Angio-sperms, are each carefully dissected in turn. This supplements course 1. Three hours. These two courses are required of Scientific Freshmen.

BOTANY.

This course contemplates a careful study of the outlines and principles of Morphology and classification as well as the laws and facts of Oecological Botany. The work begins in the fall term with a careful classification and study of Compositae, Ferns and Grasses in the Laboratory. Following this is a series of lectures on the outlines and principles of Morphology, and Classification illustrated by type studies. The rest of the year is occupied with a series of lectures upon the laws and facts of Oecological Botany, illustrated by extensive and exhaustive field observations, as well as careful, systematic laboratory experiments. Five hours; requires Biology courses 1 and 2.

2. *Histology of Plants: Hillhouse and Strassberger.* This is a course of thorough microscopic investigation upon plants showing typical cells, their modifications, contents and arrangement into great tissue systems. The student begins with the structure of a single typical cell, studies cell contents, protoplasm with the nucleus, starch grains, crystals, oil, chromatophores and aleurone grains; learns the modification of these cells into stomata, plant hairs, fibro-vascular bundles, cork cells and various wood tissues. One recitation and ten hours laboratory work weekly required. Five hours; requires Biology courses 1 and 2.

3. *Economic Botany: DeBarry.* This is a course in the study of the structure, history and development of plants which are of economic value. One hour.

4. *Embryology of Plants.* This is a course of lectures and laboratory work on the development of certain typical plants, from the embryo to the mature plant. The seeds of these plants are germinated and the progress of their development is carefully studied both by external observation and microscopic sections. Two hours; requires Biology courses 1 and 2.

5. *Physiology of Plants: Vines.* This course takes up the structure and functions of the various organs and tissue system of the plant, ending with the physiology of plant reproduction. The work begins with the structure and properties of the plant cell, namely cell wall, protoplasm, nucleus, vacuole and cell cap; following this is absorption, transpiration, food of plants, metabolism, growth irritability, both of the plants and growing parts; finally reproduction. Five hours; requires Biology 1 and 2.

ZOOLOGY.

1. *General Morphology and Classification: Claus & Sedgewick, and Jordan's Manual of Vertebrata.* This course takes up typical animals of the various classes, orders, genera, and species, shows their relationship, through modified appendages, organs or other structures, in order to develop the principles of classification. In the laboratory, typical vertebrate animals belonging to Pisces, Aves, and Mammalia are classified and their relationship detailed by the students. Five hours; requires Biology courses 1 and 2.

2. *Histological Zoology: Schafer's Essentials of Histology.* This course begins with a series of lectures upon the construction, use and manipulation of the microscope, methods of staining, of mounting and recognition of tissues. The work begins with single cells, shown in the blood corpuscles of higher vertebrates. Comparative study is made of the corpuscles of reptiles, birds, fish and mammals. The student then learns the tissue systems, namely epithelium, areolar and adipose tissues, articular and costal cartilages, bone, muscles, nerve cells and nerve fibers. The work then passes to the grouping of these tissues into organs. Five hours; requires Biology 1 and 2.

3. *Systematic and Economic Entomology: Smithson-*

ian and Experimental Station Reports. This is a thorough course of study upon noxious and beneficial insects, their habits, diseases, methods of protection or destruction, with a thorough course in classification of all insects obtainable. Three hours; requires Zoology 1.

4. *Comparative Embryology.* This course consists of a series of lectures on general vertebrate embryology, showing essential points of resemblance in order further to develop the principles of relationship and classification. Laboratory work will be done upon the embryology of the frog, chicken, and as many other vertebrates as can possibly be obtained. Two hours; requires Biology 1 and 2.

5. *Human Physiology: Martin's Human Body.* A course of anatomy, physiology and hygiene of the human body. Work is supplemented with lectures and study of specimens. Three hours; fall and winter terms. Will be given in 1897-8.

GEOLOGY.

1. *Physiography: Ritter's Comparative Geography. Guyot's Physical Geography, Wallace's Island Life* A study of earth forms, and the laws producing or affecting them, embracing Dynamical Geology, also the distribution of animal and plant life upon the globe, and the laws which govern it. One hour.

2. *General Geology and Paleontology: LeConte's Elements of Geology.* This is a thorough course in the geology of the earth, taking up dynamical, structural, and historical geology. Beginning with the agents which work now upon the face of the earth, it shows their present effect. Advancing to the structure of the earth it shows how these same agents have been at work throughout all time. Historical Geology takes up the pre-historic distribution of plant and animal life, shows the conditions which must have prevailed during their existence, explains

the succession of higher and higher types from the earliest Archean times, throughout the Palaeozoic, Mesozoic, Cenozoic, up to the Psychozoic of present time. Three hours.

3. *Economic Geology. Tarr.* This is a course of research into the origin, method of deposit, and mining of the useful minerals and soils of the United States. The course is supplemented by a series of readings from United States Geological Reports. Two hours; requires Geology 2.

CHEMISTRY.

1. *General Chemistry: Freer's Chemistry.* This course is meant to familiarize the student with the properties of the elements and their compounds. It consists of two recitations and ten hours laboratory work per week, through the year. Three hours. Elective by Sophomores.

2. *Qualitative Analysis: Douglas and Prescott's Qualitative Analysis.* It consists of three recitations and ten hours of laboratory work per week through the year. Five hours. Elective by Juniors.

3. *Quantitative Analysis: Sutton.* This course pursues the volumetric method, and is quite extensive. It consists of two recitations and ten hours laboratory work weekly throughout the year. Five hours. Elective by Juniors and Seniors.

4. *Organic Chemistry: Remsen, Richter.* In this course a thorough study is made of some of the carbon compounds, both theoretically and in laboratory work. The course requires two recitations weekly and ten hours laboratory work. Five hours. Elective by Seniors and Juniors.

THE LATIN LANGUAGE AND LITERATURE.

The work in Latin is intended to give to the student a thorough knowledge of the structure of the language and such an acquaintance with Roman history, antiquities and literature as will lead to a correct idea of the influence of

Roman life and thought upon our own civilization. The work is partly required and partly elective. The required work includes five recitations weekly for one year. In addition to this the student may elect two hours weekly for a second year. The college library and that of the instructor contain the best critical editions, commentaries, monographs and works of reference. Students who have completed the course have taken high rank in the universities, and have made successful teachers.

THE REQUIRED WORK:—The attention of the student in the required work of the Freshman year (see pages 15 and 16) is directed chiefly to the structure of the Latin sentence and the subject of Latin style, as illustrated in the portions of Cicero, Livy and Horace read in the class room, and by constant practice in reading at sight and in the order of the original. The text-books used in these courses in the year 1897-8 will be: Course *a*, Kelsey's Cicero's Cato Maior and Laelius; Course *b*, Greenough's Livy I and II; Course *c*, Smith's Odes of Horace; Allen & Greenough's grammar and Lewis's dictionary.

THE ELECTIVE WORK:—In the elective work the study of Roman literature is made prominent. Selections are read from a wide range of authors from Plautus to Suetonius. Course 6 is offered for the year 1897-8.

1. Latin Comedy: The Captivi of Plautus and Phormio of Terence. Two hours weekly through the first half year; open to any who have taken the required work.

2. Latin Philosophy: Selections from Lucretius, Cicero's De Officiis, and Seneca. Two hours weekly through the second half year.

3. Latin History: Selections from Cæsar, Nepos, Sallust, Tacitus, Suetonius, the development of historical composition. Two hours weekly through the first half year; open to Juniors and Seniors.

4. Latin Satire: Selections from Horace, Juvenal and

Persius. Two hours weekly through the second half year.

5. Epistolary Latin: Selections from the correspondence of Cicero, Pliny and Seneca. Two hours weekly through the first half year; open to Sophomores, Juniors and Seniors.

6. The less read poets: Selections from Catullus, Ovid, Propertius, Tibullus, and Martial. Two hours a week through the entire year.

FRENCH.

The short time available for the study of French, three hours a week for one year, necessitates making the course strictly a reading course, the object being to acquaint the student with as wide a range of authors as possible.

ELEMENTARY COURSE.

Six weeks or more are spent in the study of forms and syntax, with Edgren's French Grammar as a basis of work. The remainder of the term is spent in reading selections from Super's French Reader. Elective course, three hours a week, fall term.

INTERMEDIATE COURSE.

The main object of this course is to give practice in rapid reading. For this purpose, selections are made from the works of the most entertaining authors. Elective course, three hours a week, winter term.

ADVANCED COURSE.

Selected dramas of Victor Hugo and Moliere are read. In addition to these works, others of a simpler nature are assigned for private reading. Elective course, three hours a week, spring term.

THE BIBLE.

A systematic course of study in the English Bible is

offered each year, open to all students of the College. The purpose contemplated is to give the student a general knowledge of the Scriptures which shall be in some degree commensurate with his knowledge of other subjects. The course is one hour a week through the first and second terms, and will vary from year to year so as to enable the student to cover the Old and New Testaments in the four collegiate years.

Course 1. From the Creation to the Division of the Jewish Kingdom.

Course 2. From the Division of the Jewish Kingdom to the Birth of Christ.

Course 3. The Life of Christ. Studies in the Gospels of Luke and John.

Course 4. The Early Christian Church. Studies in the Acts of the Apostles and Pauline Epistles.

During the fall and winter terms of the year 1896-7 Course 4 was given. Course 1 will be given in 1897-8.

SPECIAL COURSES OF STUDY.

IN PREPARATION FOR PROFESSIONAL SCHOOLS.

The best preparation for the special schools of law, medicine, theology, engineering, etc., is that afforded by a regular college course; and the best professional schools are gradually raising their requirements for admission so as to approximate the usual requirements for a college degree. In all professional schools of national reputation the degrees of Illinois College are recognized as equivalent to those given by the best eastern colleges. The expenses of a student in Illinois College are very low—less than one half as much as they are in eastern colleges or in most professional schools.

It is a great advantage therefore to a student if he can pursue his studies in college along such lines as will enable him to enter the professional school at an advanced

standing. He can thus reduce the expenses of his course of study and also enjoy the great advantages for general culture afforded by the college. Several of the best professional schools have already indicated their willingness to give credit for work done in Illinois College in various departments of study. This will correspondingly shorten the time required to complete their courses and bring a liberal as well as a professional education within the reach of most young men. No student should willingly deprive himself of a full college education.

But there are some young men of ability and mature years who cannot afford to spend so much time and money in preparing to *begin* the work of the special schools. Though they know what is best, appreciate and covet it, they feel that they must content themselves with less, and hope by application and hard work to derive great benefit, if not the greatest possible benefit, from the professional school. To these earnest students we commend the following special courses, in pursuing which they may feel that they are obtaining not only general discipline and culture, but also laying a broad foundation for professional study:

MEDICINE: Anatomy; Physiology; Biology; Zoology; Chemistry; Histology; Embryology; Botany; Psychology; English (Rhetoric, composition, critical study of authors); Physical Training.

LAW: History; Economics, Political Science; Psychology; Logic; Ethics; Constitutional Law; International Law; Latin; English (Rhetoric, composition, oratory, authors); Physical Training.

THEOLOGY: Latin; Greek; New Testament Greek; The English Bible; History; Psychology; Logic; Psycho-Physics; Ethics; Geology; English (Rhetoric, oratory, composition, authors); Physical Training.

ENGINEERING: Trigonometry; Analytical Geometry;

Mechanics; Higher Algebra; Mechanical Drawing; Surveying; Differential and Integral Calculus; Laboratory Measurements; Theory of Heat; Theory of Light; Physics; Chemistry; English; (Rhetoric, composition, authors); Physical Training.

DENTISTRY: Anatomy; Physiology; Biology; Chemistry; Physics; Histology; Mechanics; English (Rhetoric, composition, authors); Physical Training.

The time required by these special courses will depend largely upon the students's maturity and previous attainments. Subjects may be selected according to the requirements of each individual, and the courses may be more or less extended and complete, but thoroughness will be insisted upon in all cases. The College offers short courses to meet special needs but will not encourage superficiality. It is especially recommended that in all special courses due emphasis be placed upon a thorough mastery of English.

The wisest observers are now agreed that students who are unable to pursue a full college course should take the early part of their professional or technical studies in a good college. The foundation will be broader and better laid. Students who go directly from the high school to the professional school make a great sacrifice. The college provides the conditions most favorable to growth and educates to self-reliant manhood. Its organization affords opportunities for general culture, together with the special lines of work which relate to one's profession.

Young men who intend to follow a profession, but who are unable for any reason to take a full college course, are invited to correspond with us with reference to the details of work in any of the above lines of study. The time spent here will generally shorten the period required in the professional schools.

PHYSICAL TRAINING.

The class work consists of both light and heavy gymnastics. Marching, dumb-bell, bar-bell, and Indian club drills constitute the greater part of the work of the fall term. This work is continued during the winter term. Much work is also done on the horse, on the parallel bars, and the horizontal bars; while exercises with the chest-weights and the simpler movements on the ladder and rings are occasionally given throughout the year. The individual work, especially in heavy gymnastics, is varied to meet the requirements of each student under the direction of the instructor in physical training. Tennis courts, football grounds afford ample opportunity for out-door exercise suited to each student.

PHYSICAL EXAMINATIONS.

Before entering upon the Gymnasium practice, each student is given a physical examination to ascertain his variation from the normal form and to discover physical defects, if they exist. These examinations are conducted by a skilled physician, and furnish the data for future work in the Gymnasium. It has already been found that students enjoy better health than before the Gymnasium was erected. The examinations, after a period of gymnastic drill invariably show increase of muscular and vital force.

EXAMINATIONS, TESTIMONIALS AND DEGREES.

Whenever any branch of study has been completed, students may be subjected to a rigid examination upon it, oral or written, as the instructor shall judge most suitable. No testimonial of scholarship will be given, either by authority of the institution or by any individual instructor, except as the result of such examination or its equivalent.

Any one who shall sustain such an examination on any one or more subjects will be entitled to a certificate of the same, duly authenticated by the authorities of the institution.

The degrees of Bachelor of Arts, Bachelor of Philosophy, and Bachelor of Science will be conferred, respectively, upon students who finish satisfactorily the Classical, Philosophical, or Scientific course. On completing the Agricultural Course, students will be encouraged to become candidates for the degree of Bachelor of Science, which they may do by remaining at the College and pursuing the studies of the Senior year in the Scientific Course.

The Master's Degree *in cursu* is no longer given by Illinois College; it will be conferred only after the completion of one full year's work.

The degree of Master of Arts will be conferred upon Bachelors of Arts or Bachelors of Philosophy of Illinois College, or upon graduates of other colleges in courses equivalent to the Classical or Philosophical courses in this College, on completing one full year's work in residence, in studies appropriate to these courses, passing satisfactory examination thereon, and presenting a satisfactory thesis on some topic connected with this work.

The degree of Master of Science will be conferred upon Bachelors of Science of Illinois College, or upon graduates of other colleges in courses equivalent to the Scientific course in this college, on the same conditions.

These degrees will be conferred upon the graduates of Illinois College, three years or more after graduation, for non-resident study equivalent to at least one year's work in residence, on furnishing satisfactory vouchers that such courses of liberal study have been pursued and presenting a satisfactory thesis on some topic connected with such work.

In special cases, for reasons satisfactory to the Faculty, the degree of Master of Arts will be conferred upon Bachelors of Science or that of Master of Science upon Bachelors of Arts or Philosophy, the proper requirements in each case having been met. Candidates for either of these degrees should correspond with the head of the Department in which the degree is desired.

The degree of Doctor of Philosophy will be conferred upon applicants who have already received the Master's degree for work done, spend two years in successful original investigation and present a satisfactory thesis.

In order to receive any of the above degrees, it is necessary that previous to commencement, application shall be made to the President, and the sum of \$15.00 paid to the Treasurer. No person will be recommended to the Trustees as a candidate for any degree or testimonial unless he has first settled all dues.

LIBRARIES.

The college library has been arranged and enlarged by the gifts of liberal friends of the College. In order that the students and friends of the institution throughout the community may have access to the literary treasures that have been gathered here, the Library is regularly opened on Tuesday and Friday afternoons for the drawing of books. A certain portion of this collection, however, including works of reference, is withheld from circulation, and retained in the building for convenience and safe-keeping. The Library now contains more than ten thousand volumes, and is well worthy of the attention of students. Advice and assistance in selecting courses of reading, which may be pursued in connection with their studies, will be given by the College Librarian to all who may desire.

In addition to the College Library, each of the literary

societies has a collection of books of its own selection. The Sigma Pi Society Library comprises over two thousand volumes, and the Phi Alpha Society Library comprises seventeen hundred and thirty-five volumes. These figures do not include pamphlets, or worthless books of any sort. For the ordinary purposes of the student, these libraries are much more serviceable than the College Library, which is, to a great extent, composed of the rarer and more costly works, books of reference, scientific treatises, etc. There is also a small library, containing about three hundred volumes, devoted mainly to theological and religious literature. We have, then, the following summary of the College Libraries:

College Library.....	10,300	volumes.
Sigma Pi Library.....	2,000	“
Phi Alpha Library.....	1,735	“
Religious Library.....	300	“
Philologian Library....	140	“
Total.....	14,475	“

LITERARY SOCIETIES.

The students sustain three Literary Societies, which, for the effective and thorough training which they furnish in debate, in the expression of thought and in parliamentary usage, are exceptionally excellent. They are not expensive organizations for good fellowship and conviviality, but are conducted solely with a view to giving their members valuable training in debate and other literary exercises. Regular attendance and the prompt performance of duties are secured to a much greater degree than is usual in such organizations. They are entirely free from all indebtedness, and the dues of each member vary from one to two dollars a year. These societies—the Phi Alpha, the Sigma Pi and the Philologian—hold their

meetings on Friday evenings, and students of Illinois College or Whipple Academy are eligible to membership. Each of the societies has a library—of which mention has been made above—and a commodious hall, tastefully furnished and devoted entirely to its use.

RELIGIOUS EXERCISES.

The institution is conducted as a Christian College. In the instruction of youth, those minor matters on which good men differ are not made subjects of discussion; but the faculty consider the great characteristic doctrines of Christianity as fundamental in morals, as the law of gravitation in physical science. These doctrines will be so treated on all occasions. Parents may rest assured that instructors will labor to cultivate not only scholarly tastes, but also Christian character in those committed to their care.

Daily religious exercises, consisting of reading the Scriptures, singing and prayer, at which some member of the faculty officiates, are held in the College Chapel. All students living on the college premises, and all other students whose duties require them to be at any college exercises during the hour immediately preceding or following prayers, are required to attend these exercises.

THE CHRISTIAN ASSOCIATION.

of faculty and students was organized in 1882. In 1884 a large room in Sturtevant Hall was devoted to the uses of the association, carpeted and neatly furnished. Here, under the charge of students, are held, on Sunday and during the week, various meetings for conference, prayer, missionary inquiry, and bible study. The influence of the association upon the religious life of the institution is most beneficent.

DISCIPLINE AND GENERAL RULES.

In case of deficiency in scholarship, negligence in study, irregularity in attendance upon the exercises of the institution, or improper conduct, the student will be promptly admonished, and his parent or guardian informed of the fact. It is the object of this arrangement to keep parents and guardians accurately informed with regard to their sons and wards in the institution, and thus secure their co-operation with the faculty in a mild system of discipline. Whenever it is ascertained that a student is deriving no advantage from his connection with the institution, or is pursuing a course injurious to himself or fellow students, his parent or guardian will be promptly addressed on the subject, and requested to remove him from the institution.

Regularity in attendance upon college exercises is regarded as absolutely essential to the progress of the student, and visits at home, or elsewhere, which break in upon such duties, should be avoided as much as possible. Previous permission from the class officer in case of leaving the town will be insisted upon.

Students once entered are considered members of the college until graduated or regularly dismissed, and are therefore required to be present on the first day of each term, unless excused by the faculty.

Special attention is called to the following rules:

I. No student shall be considered a member of any college class who is deficient in a greater amount of work than is regularly finished in one college year, at the rate of one recitation per day.

II. For making up conditions, a student shall be allowed a definite period, to be fixed by the instructor, not exceeding two terms, the summer vacation counting as one term. But any student who enters college with the maxi-

num number of conditions (see Rule I.) may be allowed until the first day of the first term of the next college year to remove them.

III. If any condition be not removed at the end of the allotted time, the student shall be required to take the study with a class, at the earliest opportunity, and such a study shall take the precedence of all other work. Failure to comply with this rule shall forfeit the student's membership in his class.

IV. Students who have lost standing in any class in accordance with Rule III. will not be allowed to pursue further studies with that class except for special reasons, and by unanimous vote of the faculty.

V. Students will not be allowed to take more than the usual number of studies, or be passed in any study by examination alone, except for special reasons, and by vote of the faculty.

DIVISION OF THE YEAR.

The college year is divided into three terms, as follows:

The **FIRST TERM** begins on the second Tuesday in September, and ends on the Friday before Christmas.

The Christmas recess begins on the day after the First Term closes, and continues about two weeks.

The **SECOND TERM** begins on the Tuesday after New Year's day, and continues eleven weeks.

The **THIRD TERM** begins at the close of the Second Term, and continues till **COMMENCEMENT**, which occurs on the second Thursday in June.

The **SUMMER VACATION** extends from Commencement to the second Tuesday in September.

EXPENSES.

The charges payable to the College Treasurer are as follows:

Tuition for First Term.....	\$21.00
“ “ Second Term.....	16.00
“ “ Third Term.....	13.00

The above figures include all regular charges, except a library fee of \$2.00 per year. There are no incidental expenses except for materials actually used in laboratory work.

Room Rent in Crampton Hall, First Term.....	\$10.00
“ “ “ “ Second Term.....	10.00
“ “ “ “ Third Term.....	8.00

The charge for room rent includes fuel, as Crampton Hall is heated by steam.

Tuition and room rent will be collected by the term. No smaller division of the year will be recognized. For private examinations a special fee of two dollars is charged.

Each student occupying rooms in Crampton Hall is required to deposit with the Treasurer five dollars, at the beginning of each term, to be applied by him to the payment of gas bills and damages during the term. Any money not so applied will be returned to the student at the close of the term, or at such time as the student may have leave of absence for the remainder of the term.

Students vacating rooms for any cause are required to remove their furniture within one week.

Crampton Hall is lighted with gas, each room being supplied with a meter, so that its occupants pay for exactly what they consume. The expense for gas for each student averages twenty cents per week.

Payment is required in advance for each term, but not with the intention of excluding any worthy student who is really unable to comply with this regulation. If any student is unable to pay in advance, he will call immediately on the President, state his case to him, and obtain from him a permission to the Bursar to grant such indulgence as the case may seem to require. On receiving such

permission, the Bursar may settle with the student in accordance therewith, and grant him the certificate necessary to admit him to recitation.

BOARD.

Students may obtain board at the College Commons. This is well supplied by the college with all the necessary table and other furniture, and the students obtain good board at its actual cost. The price of board is estimated at \$2.40 per week. The cost of board in private families, with furnished room, per week, is from \$3.50 to \$4.50. It will thus be seen that the entire

ANNUAL COLLEGE EXPENSES

of a student who rooms in Crampton Hall are as follows:

Tuition.....	\$50 00
Room Rent.....	28.00
Light.....	7.40
Board.....	88.80
Text Books and Society Fees, average	15.00

Total.....\$182.20

Of other personal expenses, as for washing, clothing and traveling, no estimate can be made. These depend upon the tastes, habit and economy of the student.

IN CRAMPTON HALL

the annual expense has been reduced to a rate so low as to bring a thorough collegiate education within the reach of any young man of ability and energy. The accommodations are far superior to those of ordinary college dormitories. Each suite of rooms, consisting of a study room fifteen feet square, and a bedroom eight by twelve, is occupied by two students. The study room is furnished with a large study table, and the bedroom with a double woven wire mattress bed, as permanent articles of furni-

ture. Other articles of furniture, such as chairs, wash-stands with appurtenances, and bedding, are furnished by the students themselves at light expense, especially as in many cases they may be brought from home.

Choice of rooms is given by seniority to the College classes, and subsequently to students of Whipple Academy, in the order of application; provided, that if any benefactor of the college has a memorial room in the building, he is entitled to locate his son or near relative in such room. Application for such places should always be made in advance, that the rooms may be reserved. Early application should be made by those wishing to secure rooms in Crampton Hall, as the building is usually full at the opening of the college year. A deposit of two dollars is required of each student in order to secure a room, and the same is deducted from the rent of the following term; but is forfeited in case the room is not occupied by such student.

THE NEW GYMNASIUM.

Through the generosity of past and present students and other friends of the institution, a large and tasteful building, carefully designed for gymnasium uses, has been erected and equipped at a cost of over twenty thousand dollars. Facilities unequalled at present by those of any other college gymnasium in the state can now be offered. Regular exercise will be prescribed and directed by a competent instructor. No student's health is properly guarded, no education is complete without wise physical training. Its aim is to reveal and remedy individual weaknesses, to increase vigor and to secure a bodily reserve for the mental strain of life. To the gymnasium many attractions will be added to make a popular yet safe resort in leisure hours. Among other features will be a memorial room for pictures and relics connected with the

history of the college. A collection of these is begun, and its growth in size and interest will depend upon the active co-operation of students and alumni.

SCHOLARSHIPS.

The trustees would call the attention of young men of limited means to the following statement of scholarships, founded by benevolent individuals.

THE CHRISTIAN ENDEAVOR SCHOLARSHIP, established by the Christian Endeavor Societies of the Congregational church, the Westminster Presbyterian church, the State Street Presbyterian church, the Christian church, and the Baptist church of Jacksonville; the First Congregational church of Springfield, the Congregational church of Chandlerville, and the Congregational church of Alton.

In filling this Scholarship, preference will be given to a Christian Endeavorer and to the nominee of the contributing societies.

THE HENRY HASKINS OUSLEY MEMORIAL SCHOLARSHIP established by Mrs Ella L. Brainerd, of Lincoln, Ill., in memory of her father.

THE FRANK L. TRUE MEMORIAL SCHOLARSHIP, established by Lyman W. True, of Jacksonville, in memory of his son.

THE HUBBARD SCHOLARSHIP, entitling one student to enjoy the privileges of the institution free of charge.

THE ELLIS SCHOLARSHIPS, securing a like privilege to two students, and paying part of the bills of a third.

The BARSTOW SCHOLARSHIP, the WOLCOTT SCHOLARSHIP, and the HOLMES SCHOLARSHIP, each securing the privileges of the institution to one student.

The ABEL SCHOLARSHIPS, offering free tuition to two students preparing for the ministry.

All these funds are designed by their generous founders to aid young men of promising talents in obtaining a thorough classical education at the college. None will be permitted, in any case, to enjoy the benefits of them who are not of good moral character, of decidedly promising talents and attainments, and in such circumstances as to need aid in defraying the expenses of their education; nor any who belong to secret societies, or use tobacco, or who do not comply with the regulations of the institution. Incumbents falling below an average grade of 80 per cent. or below 70 per cent, in any study, will forfeit their scholarships. An honorable dismissal will not be given to any holder of a scholarship until he has either completed the course of study required for the degree of Bachelor of Arts, or has refunded whatever he has received from his scholarship, with interest. But if he honorably completes the course of study, he is released from all obligations to refund what he has received.

PRIZES.

A fund of two hundred and fifty dollars has been given to the College by Mr. H. H. HALL, of Jacksonville, the annual income of which will constitute a first prize of ten dollars and a second prize of seven dollars for orations by members of the Junior class.

A fund of one thousand dollars has been given by Mr. THOMAS SMITH, of Hartford, Conn., the income of which, for the coming year, will be applied as follows:

A first prize of fifteen dollars and a second of ten dollars, for declamations of English prose by members of the Freshmen class.

A first prize of ten dollars and a second of five dollars, for English compositions by members of the Sophomore class.

A prize of fifteen dollars for the best standing in the mathematics of the Freshman year.

It is expected that the HALL PRIZES and the SMITH PRIZES will be expended for books subject to the approval of the faculty.

A prize of twenty-five dollars has been founded by REV. W. E. CATLIN, of the class of 1845, and named the IRELAND PRIZE, in honor of his classmate, the Rev. Wm. Ireland. It will be awarded annually to that member of the Senior class who presents the best paper on some subject in connection with the department of mental and moral philosophy.

Donors, who wish their names withheld, have established a first prize of twenty-five dollars, and a second prize of fifteen dollars, for the best and second best summaries of the doctrines taught in the course of philosophical lectures for the current year by Professor Hiram K. Jones.

The above named prizes are offered each year to the several classes. The faculty is authorized, however, to withhold the prizes in any instance in which reasonable competition is not manifested by the members of the class entitled to compete.

No student will be allowed to compete for a prize in studies which he does not pursue with his class at the regular time.

SCHOLARSHIP PRIZES.

Illinois College offers the following scholarship prizes for the ensuing year, to be awarded at the examination for admission, September 13, and 14, 1897:

1. A scholarship prize of forty-five dollars (\$45.00) to the student who shall obtain at the examination for admission the highest average in all the subjects required for admission to the Freshman class in the Classical course of study.

2. A scholarship prize of forty-five dollars (\$45.00) to the student who shall obtain the highest average in all the subjects required for admission to the Freshman class in the Philosophical course of study.

3. A scholarship prize of forty-five dollars (\$45.00) to the student who shall obtain the highest average in all the subjects required for admission to the Freshman class in the Scientific course of study.

4. A scholarship prize of fifteen dollars (\$15.00) to the student who shall pass the best examination in the English required for admission to the Freshman class.

5. A scholarship prize of fifteen dollars (\$15.00) to the student who shall pass the best examination in the Mathematics required for admission to the Freshman class.

6. A scholarship prize of fifteen dollars (\$15.00) to the student who shall pass the best examination in the Latin required for admission to the Freshman class in the Classical and Philosophical courses.

7. A scholarship prize of fifteen dollars (\$15.00) to the student who shall pass the best examination in the Greek required for admission to the Freshman class.

8. A scholarship prize of fifteen dollars (\$15.00) to the student who shall pass the best examination in the Natural Science required for admission to the Freshman class.

SPECIAL PRIZE.

In order to emphasize the importance of college training and direct attention to its value, a friend of higher education authorizes the offer of a prize of (\$25.00) for the best essay on "The Value of a College Education." All essays in competition for this prize must be sent to the President of Illinois College on or before September 1, 1897. The committee of award will consist of three persons selected from the faculty of Illinois College, and their decision will be announced about October 1, 1897.

The writer of each essay submitted must be a member of the senior (graduating) class of a high school during the school year 1896-7, and at the time of the award must be a student in Illinois College or Whipple Academy.

Each essay should be limited to 1500 words, and should be signed with a fictitious signature and accompanied by a sealed envelope containing the writer's name and the name of the school which he attended during the year 1896-7. The prize will be paid in money as soon as the award is determined.

It is hoped that this prize will help to promote a closer relation between the college and the secondary schools.

APPOINTMENTS FOR COMMENCEMENT.

JUNE 11TH, 1896.

Arthur Boyce Fairbank, <i>Valedictory, Philosophical Oration</i>	Waverly
Rupert Franz Asplund, <i>Salutatory, High Oration</i> ...	Little Indian.
Harry Fletcher Scott, <i>Philosophical Oration</i>	Hiramsburg, O.
Albin Charles De Mary, <i>High Oration</i>	Pleasant Plains.

PRIZES AWARDED SINCE THE PUBLICATION OF THE LAST CATALOGUE.

JUNIOR EXHIBITION—HALL PRIZES.

Orations—

- 1st Prize—Samuel Wallace Baxter, '97.
- 2d Prize—John Gordon Carter, '97.

SMITH PRIZES.

Composition—

- 1st Prize—Mendal Garbutt Frampton, '98.
- 2d Prize—William Lester Wemple, '98.

Declamation—

1st Prize—William Elihu Guy, '99.

2d Prize—Harry Augustus Dow, '99.

Mathematics—

Louis Henry Schroeder, '99.

IRELAND PRIZE.

Arthur Boyce Fairbank, '96.

PHILOSOPHY PRIZES.

1st Prize—Harry Fletcher Scott, '96.

2d Prize—Homer Francis Moore, '96.

ATHLETIC PRIZES.

Heavy Gymnastics—

1st Prize—Thomas William Pitner, '98.

2d Prize—Herbert Samuel Walker, '97, W. A.

Light Gymnastics—

1st Prize—Harry Joy Dunbaugh, '99.

2d Prize—William Lester Wemple, '98.

Pitner Banner—Class of '99.

Carter Banner—Class of '98.

RAMBLER PRIZES.

For the best Poem—Eugene Green Nelson, '97, W. A.

For the best Story—Frederick Orin Philbrook, '98.

WHIPPLE ACADEMY.

Under the direction and management of the trustees of Illinois College, but maintained as a separate institution, Whipple Academy offers superior advantages in preparation for college, or training in English branches.

COURSES OF STUDY.

The following courses are maintained:

I. College Preparatory Courses: Classical, Philosophical, and Scientific.

II. An Elective Course, for those not wishing to prepare for college, but desiring a thorough drill in special subjects of their own choice.

III. An English Course, affording a careful training for the College Preparatory Courses, with classes also especially adapted to those desiring a good common school education, and those preparing to teach.

I. THE COLLEGE PREPARATORY COURSES:—These courses are designed to afford a complete preparation for the best colleges.

1. THE CLASSICAL COURSE.—This course covers three years, and includes a thorough training in Latin and Greek; Higher English, including Rhetoric, and careful study of a few English and American Classics; Mathematics, including Higher Arithmetic, elementary and advanced Algebra, and Plane Geometry; Botany, and Ancient History.

2. THE PHILOSOPHICAL COURSE.—This course covers three years, and includes the same work as the Classical Course in Latin, Higher English, Ancient History and Mathematics; and gives, in the place of Greek, work in elementary science, including Botany, Zoology, Physics with laboratory work, Physiology; and a year's study of German.

3. THE SCIENTIFIC COURSE.—This course covers two

years, and includes Algebra, Geometry, Rhetoric, studies in English and American Literature; one year of German or Latin; Physics with laboratory work, Physiology, Botany, Zoology, and Ancient History.

II. THE ELECTIVE COURSE.—Students not wishing to prepare for college are allowed to select such studies as they desire from the regular courses, and receive the diploma of the Academy after completing the equivalent of two years of work above the common branches. This course meets the wants of a large class of young men who wish to prepare themselves thoroughly to begin the study of some special profession, or to get ready for teaching or for business, but who have not the time or the means for a college education.

A COURSE SPECIALLY ARRANGED FOR TEACHERS.—Classes will be arranged each term for the benefit of teachers who wish to review their studies, and to prepare for examinations for first or second grade certificates. In the winter and spring terms a class will be formed for the study of Pedagogy, in which special attention will be given to the illustration and discussion of the best methods of teaching and discipline. Compayre's History of Pedagogy and Compayre's Lectures on Teaching will be used as text-books, and supplemented by lectures, by suggested collateral reading, and by class discussions.

III. THE ENGLISH COURSE—Experience shows that many students fail in their preparatory or college work because of insufficient knowledge of the elementary branches. These subjects are poorly taught in many schools, and boys of thirteen years old and upwards frequently attend their home schools for years without making much progress. Many persons have sent such pupils to Whipple Academy, and have been pleased with the work done here. Besides these, many young men, whose early opportunities have been slight, wish a more rapid

and thorough review of the English branches than they can get in the common schools. Many students are prepared to take advanced work in some studies, but need to review one or two of the elementary branches.

For the accommodation of all of these persons, the Academy offers one or more classes each term in the following subjects: Arithmetic, English Grammar, Geography, United States History, Civil Government, Reading, with frequent compositions, Spelling and Penmanship. Business Correspondence and Bookkeeping are also taught without extra charge.

The courses of study in the Academy have been greatly extended, and it is believed that there is now offered an arrangement of studies and a choice of courses equal to those of the best secondary schools in the country. The work in Greek and Latin is up to the highest standard. More than usual attention is paid to Higher English, ample time is given for a thorough mastery of the necessary branches of Mathematics, provision is made for a good foundation for future work in Science, and a year's work in German is added. In addition to the valuable drill afforded by the Academy literary society, regular training is given in composition and declamation throughout the entire course, by the College Professor of English and Oratory.

Boys under thirteen years old are not admitted to the Academy except by special arrangements with the Principal. Students are assigned to such classes as they are found, by careful examination, to be best fitted for. Testimonials of character and standing in the last school attended are desired, and when these are clear and satisfactory, no examination will be required; but students thus admitted will be regarded as on trial, and may be dropped at any time from classes in which they do not perform satisfactory work.

OUTLINE OF COURSES OF STUDY.

ENGLISH COURSES.

REGULAR	SPECIAL.	TEACHERS'.
	FALL TERM.	
Arithmetic.	Arithmetic.	Advanced Arithmetic.
English Grammar.	English Grammar.	Advanced Grammar.
U. S. History.	U. S. History.	Physiology.
Penmanship.	Penmanship.	Penmanship.
	WINTER TERM.	
Arithmetic.	Arithmetic.	U. S. History & Geography
English Grammar.	English Grammar.	Zoology.
U. S. History & Geography.	Bookkeeping.	Physics.
Penmanship.	Penmanship.	Pedagogy.
	SPRING TERM.	
Advanced Arithmetic.	Advanced Arithmetic.	Advanced Grammar.
Advanced Grammar.	or	or
Latin Lessons.	Advanced Grammar.	Ancient History.
Civil Government.	Civil Government.	Botany.
Penmanship.	Bookkeeping.	Physics.
	Penmanship.	Pedagogy.

One hour a week through the year in Composition and English Literature required of all students.

Certificates of honor will be given to all who pass with a grade of at least 80 per cent. in all the studies of any of these courses.

PREPARATORY COURSES.

CLASSICAL COURSE.	PHILOSOPHICAL COURSE.	SCIENTIFIC COURSE.
	JUNIOR YEAR.	

	FALL TERM.	
Latin Lessons.	Latin Lessons.	Physiology.
Algebra.	Algebra.	Algebra.
Elementary Rhetoric.	Elementary Rhetoric.	Elementary Rhetoric.
	WINTER TERM.	
Latin Lessons.	Latin Lessons.	Physics.
Algebra.	Algebra.	Algebra.
English Literature.	English Literature.	English Literature.

SPRING TERM.

Latin: Cæsar.	Latin: Cæsar.	Botany.
History: Eastern Nations and Greece.	History: Eastern Nations and Greece.	History: Eastern Nations and Greece.
Botany.	Botany.	Physics.

One hour a week in Composition and English Literature is required of all students through the spring term.

MIDDLE YEAR.

FALL TERM.

Latin: Cæsar and Composition.	Latin: Cæsar and Composition.	The Scientific Course is finished in two years. See Senior Year.
Geometry.	Geometry.	
Greek Lessons.	Physiology.	

WINTER TERM.

Latin: Cicero and Composition.	Latin: Cicero and Composition.
Geometry.	Geometry.
Greek Lessons & Anabasis.	Physics.

SPRING TERM.

Latin: Cicero and Composition.	Latin: Cicero and Composition.
Geometry.	Geometry.
Greek: Anabasis and Composition.	Physics.

SENIOR YEAR.

FALL TERM.

Latin: Vergil.	Latin: Vergil.	Latin or German.
Greek: Anabasis and Composition.	German.	Roman History.
Roman History.	Roman History.	Geometry.

WINTER TERM.

Latin: Vergil.	Latin: Vergil.	Latin or German.
Greek: Homer's Iliad.	German.	Geometry.
Greek History and Classical Geography.	Zoology.	Zoology.

SPRING TERM.

Latin: Cicero and Composition.	Latin: Cicero and Composition.	Latin or German.
Greek: Homer's Iliad.	German.	Geometry.
Advanced Algebra.	Advanced Algebra.	Advanced Algebra.

One hour a week in Declamation and Composition is required of all students through the year, and an essay each term for the fall and winter terms.

Scope and Methods of Instruction.

The following statements will explain the scope and methods of instruction in the various subjects of study:

GREEK.

The study of Greek is begun in the Middle year and continues two years. In the first year Gleason & Ather-ton's First Greek Book is used, the first two terms being devoted to thorough drill in forms, vocabularies and simple syntax, accompanied by daily practice in oral and written translation from Greek into English and English into Greek. In the third term Book I. of Xenophon's Anabasis (Goodwin & White) is read and reviewed with daily exercises in Prose Composition (Woodruff) and special attention to irregular verbs and syntax.

In the Senior year Books II, III. and IV. of the Anabasis are read and carefully reviewed with a continuation of the work in composition. This work which occupies the first term and a few weeks of the second is followed by the reading of three books of Homer's Iliad (Seymour) with study of Homeric forms, scansion and mythology.

PEDAGOGY.

A course in Pedagogy is offered to students of the Teachers' course continuing through the winter and spring terms. It aims to give a knowledge of the history of education, of the lives and methods of noted educators, of mental processes and the laws relating to mental growth and the development of mental power, and to assist in the formation of just opinions on theories and methods of teaching, and of school management. Compayre's History of Pedagogy and Compayre's Lectures on Teaching will be used as text-books, and these will be supplemented by lectures, by suggested collateral reading, and by class

discussions of methods of teaching and systems of education.

BIBLE STUDY.

The courses of study in the English Bible offered to College students are open to mature students of the Academy, and these are not only permitted to take up the work but are advised to do so. The course aims to give a good general knowledge of the character and contents of the Scriptures, using the Bible as a text-book, and supplementing it by lectures and suggested collateral reading. The course for 1897-8, is outlined on pages 53-4.

ANCIENT HISTORY.

In the spring term of the Junior year, Myers's Eastern Nations and Greece is studied; in the fall term of the Senior year, Allen's Short History of the Roman People; and in the winter term of the Senior year, Wilkin's Roman Antiquities, Mahaffy's Old Greek Life, and Tozer's Classical Geography.

The object of the course is to prepare the student for the study of Mediæval and Modern History, and to furnish a basis for the study of Political Economy and Constitutional Development. In addition to the work of the text-book, lectures are given, and other reading suggested and topics assigned for special study and investigation.

LATIN.

The course in Latin extends over three years, and aims to give the student a thorough knowledge of forms, syntax and prosody, and accuracy and facility of translation. While the course is arranged primarily with a view to fitting students for Illinois College, it is believed that the work is sufficiently thorough and the course sufficiently extensive to insure admission to any American college.

In the first year, two terms are given to the study of Etymology, Tuell and Fowler's First Latin Book being

the text-book. Free use is made of blackboards, and the progress of the students tested by frequent written examinations. In the spring term, Cæsar is begun, the class using Johnston's revision of Lowe and Ewing's Cæsar, studying the introduction, and reading thirty chapters of Book I., and all of Book II. In connection with this there is daily practice in writing Latin, using Rigg's Prose Composition, and a thorough study of all grammatical references, using Allen & Greenough's Grammar.

In the second year, Cæsar is continued, the class reading Books III. and IV. and reviewing the whole. Prose Composition is kept up, and the First Latin Book is thoroughly reviewed. In the winter term Cicero is begun, the class using Johnston's Cicero, and the four orations against Catiline are read. In the spring term two other orations of Cicero are read.

In the third year, Vergil occupies the first two terms, six books being read and reviewed. Careful attention is given to scanning, and to the explanation of grammatical, mythological, and historical references. Greenough's Vergil and Whiton's *Auxilia Vergiliana* are the text-books used. In the spring term two more of Cicero's orations are read.

The course thus includes a very thorough drill in Latin Grammar and Composition, four books of Cæsar, eight orations of Cicero and six books of Vergil.

MATHEMATICS AND PHYSICS.

1. *Elementary Algebra: Stringham's Smith's Elementary Algebra.* This work takes the pupil by well-graded steps to quadratics. There is much drill work and rapid work for the securing of facility in the mechanical processes. The text is supplemented by problems from other books and from sets of examination papers; fall and winter.

2. *Advanced Algebra: Stringham's Smith's Elementary Algebra.* This work takes up the theory of the quadratic, its solution, roots, invariant, and applications. The subject of fractional indices is considered, surds, and complex numbers. After this ratio, proportion and variation, with a miscellaneous review close the work; spring.

3. *Plane, Solid, and Spherical Geometry: Beman and Smith.* This course occupies an entire year of daily work. It proceeds by the method of leaving the student more and more to discover for himself. It is an invaluable training in logic and insight. Original work is required every day, and frequent exercises in mechanical drawing supplement the text.

4. *Elementary Physics: Nichol's Outlines.* This course is a combination of recitations, problems, and laboratory work. The student keeps a note-book according to forms given, of over one hundred *quantitative* experiments by himself. The experimental basis thus given the laws of physics gives him a grasp on the subject; winter and spring.

GERMAN.

The aim of this course in German is to enable the student to read at sight simple prose, and to afford him considerable familiarity with the forms and vocabulary of ordinary conversation.

FALL TERM: The work of this term is based largely upon Joynes Meissner's Grammar. Accompanying the study of syntax is daily practice in oral and written translation from English into German. The student is accustomed to the sound of the German, and is required to give the utmost attention to securing a correct pronunciation. The reading of simple selections from Super's Elementary German Reader is early introduced, together with the memorizing of short stories and poems. The

formal study of the grammar is continued through the term, during which the elements of etymology and syntax are acquired.

WINTER TERM:—The reading and translation of the more advanced portions of Super's Reader occupy a large part of this term. The work of acquiring a vocabulary is emphasized. Facility in translation from English into German is sought by the use of passages based upon the subject matter of the Reader. Students are also expected to reply to simple questions in short, correct German sentences.

SPRING TERM:—The general character of this term's work is similar to that of the preceding. Increasing stress is laid upon the acquiring of facility in conversation, and the use of English in the classroom is gradually supplanted by German. Selections from the prose of modern writers are read.

NATURAL SCIENCES.

Physiology. Walker's Physiology is used as a text-book, supplemented by the study of the skeleton and charts, by such demonstrations and dissections as are practicable, and by lectures and suggested outside reading. Fall term.

Zoology. Colton's Practical Zoology and Packard's Briefer Course are the text books used. In addition to the text-book work, typical forms are taken up for special study, and students are taught to observe and study the object itself. Winter term.

Botany. Gray's School and Field Book of Botany is used. The work takes up the structure and forms of plants, and leads up to the system of classification. Each student collects, mounts and classifies sixty species of plants, including all the simpler orders as far as Compositæ.

ENGLISH.

The work in English extends over three years. In the first two terms of the first year the recitations are daily. Some of the simpler works of American Literature are studied, and attention is given to composition and to the elements of Rhetoric. During the remainder of the course the recitations are weekly. In the last term of the first year the work in American Authors is continued. The second year is given to reading English authors, with some study of the History of English Literature. In the last year two terms are devoted to drill in declamation, and one to further practice in composition. For the work in declamation the Whipple Prizes are offered. See page 86. For the Senior work in composition the Smith Prize is offered. See page 86

The aims of the course are to give the student a general acquaintance with the field of English Literature, and a careful acquaintance with a few representative works, and to enable him to speak plainly and write correctly. Correctness in spelling and grammar is insisted on.

ENGLISH COURSES.

Arithmetic: Wentworth's Grammar School Arithmetic, Wentworth's and Hill's Problems. The work in this branch, denoted Advanced Arithmetic and offered to teachers in the fall term, will be a thorough practical review of the whole subject. Students in the English courses proper will spend the fall and winter terms in going over the subject with a text-book; the spring term will be devoted to a review of the whole subject, using a manual of problems as a basis.

Grammar: Maxwell's English Grammar. In the English courses the fall and winter terms will be given to text-book work on Orthography, Etymology, and Syntax. The spring term's work will be a complete review of all

the previous work, with especial emphasis on syntax and the general structure of the language. In the fall term teachers will be offered the complete course covered by the English students in the whole year, and the same again in the spring term. The equivalent of fifteen minutes each day will be given to English composition during the year.

United States History. Thomas's American History. A thorough text book will furnish a basis of facts, to be supplemented by reference to short works on special topics, and by papers written and presented to the class by the instructor, discussing the political and industrial history of the country. The work in the winter term will be a thorough review, and is also offered to those who have studied the subject and wish a review preparatory to teaching.

Geography. One hour per week during the winter term, a review, using any text-book.

Civil Government. Thorpe's Government of the United States and Milligan's Government of Illinois. A description of town, city, county, state, national governments; also a brief historical outline of their growth, to be filled in by a limited amount of supplementary reference work. Special attention will be paid to the civil government of Illinois.

Bookkeeping. Gay's Business Bookkeeping. A short course in single entry followed by double entry. The aim in this department is to furnish the theoretical and practical knowledge of the subject necessary to manage the books of any ordinary mercantile business.

Penmanship. A class in practical penmanship will be taught from four to seven weeks each term.

Beginning Latin. Tuell and Fowler's Latin Lessons. In the spring term Latin may be begun by such students as wish to take up the preparatory courses the following fall.

This work of one term will be a great help in mastering the rudiments of Latin taught in the Junior year.

PHYSICAL CULTURE.

Young men engaged in study need regular and systematic physical training, and the Academy is now better equipped in this respect than any other institution in the state.

Students in the Academy have access to the new gymnasium of the College at stated times, and have regular training there daily under a competent instructor. The bath rooms are also at their disposal under certain regulations.

Tennis courts, foot-ball and base-ball grounds afford ample opportunity for outdoor exercise suited to each student.

ANNIVERSARY EXERCISES.

The anniversary exercises of the Academy are held on Monday of Commencement week.

Certificates of graduation are given to all who complete the regular courses of the Academy. These certificates entitle the holder to enter the Freshman class of Illinois College without further examination.

Certificates of graduation are also given to all who, following an elective course, have passed in 18 units of work above the common branches, a term's work in a regular study of any of the courses counting as a unit. These certificates do not admit to the College. A charge of two dollars is made for graduation.

The graduating exercises consist of essays delivered *ex memoria* and declamations. The class is generally too large for all to take part, and eight students are appointed to represent the class. The appointments are made by the faculty, who take into consideration: 1st, general proficiency in the studies pursued; 2d, special proficiency in rhetoric and elocution; 3d, gentlemanly conduct throughout the course.

The following appointments were made for 1896:
 Frederick Locke Darling. William Sanders Elliott.
 Frederick Franklin Garrison. John Kearns, Jr.
 George Howard McCollough. Oscar Miller.

PRIZES.

During the year 1897-8, prizes will be offered as follows:
 To the Senior class, in all courses: The WHIPPLE PRIZES for declamation: 1st prize, ten dollars; 2d prize, seven dollars. To the Senior class: The SMITH PRIZE of fifteen dollars, for the best essay and work in composition during the year.

All prizes are awarded in books, chosen by the successful student and approved by the Principal.

PRIZES AWARDED SINCE THE PUBLICATION OF THE LAST CATALOGUE.

WHIPPLE PRIZES, 1896.

1st Prize—Oscar Edwin Hewitt, Chesterfield.

2d Prize—Wilbert Hoyt Sanford, Jacksonville.

SMITH PRIZE, 1896.

John Kearns, Jr., Jacksonville.

LITERARY SOCIETY.

The Academy students maintain an excellent literary society, the Philologian, which meets on Friday evening of each alternate week. It is open to all students over fifteen years of age, and affords effective and thorough training in declamation, essay-writing, debate, and parliamentary usage.

EXPENSES.

TUITION.—The charges for tuition in the Academy are as follows:

Fall Term.....	\$18.00.	English Course	\$15.00
Winter Term.....	15.00.	“	“ 12.00
Spring Term.....	12.00.	“	“ 9.00

This charge includes tuition, incidentals, gymnasium, baths, laboratories, etc. There are no extra charges of any kind, except a library fee of \$2.00 a year.

Term bills are due on the first day of each term. Students entering after the middle of a term will be charged for but half a term. No fees will be refunded except in case of sickness. In this event the student will procure from a physician a certificate of his inability to remain in school, when half the amount paid will be refunded, if application is made before the middle of the term.

ROOMS AND BOARD.—In order to reduce expenses, and bring a good education within the reach of any young man of ability and energy, Crampton Hall was built in 1874. It will accommodate fifty students. The accommodations are far superior to those of ordinary dormitories. The rooms are large, well lighted, heated by steam, and provided with gas for lighting. The rooms are carefully inspected every month, and kept in good order. Two of the instructors have rooms in the Hall, and it is managed so as to make this an attractive home for young men. The rooms are rented at a cost just sufficient to cover fuel and repairs.

Each suite of rooms consists of a study room fifteen feet square, and a bedroom twelve by eight, and is occupied by two students. The study room is furnished with a large study table, and the bedroom with a woven wire mattress bed. Other articles of furniture may be brought from home or may be purchased in Jacksonville.

A list of articles needed to furnish the rooms has been prepared, and will be sent on application.

Each student should have a Bible and a good dictionary; and it is desirable that he be provided with such papers or other reading matter as shall be profitable and appropriate for Sunday.

Room rent for first term, \$10; Second term, \$10; Third term, \$8.

The rooms are generally all engaged by the opening of school, and it is best to secure a room as early as possible. A deposit of two dollars sent to the Principal will secure a room, and the two dollars will be credited on the rent for the term, but will be forfeited in case the person does not occupy the room. Students rooming in Crampton Hall board at the College Commons. Here an excellent table is kept up and the students pay only the actual cost, which is about \$2.40 per week.

Many of the students take furnished rooms near the Academy, paying from 75 cents to \$1.25 per week, and take their meals at the club.

The Principal will aid the students in finding pleasant and economical boarding places. Board and furnished room in private families cost from \$3.50 to \$5.00 per week.

AID TO STUDENTS.

To aid worthy students in obtaining an education, the WHIPPLE SCHOLARSHIP and BISHOP SCHOLARSHIP have been founded, each paying the tuition and incidental expenses of the student. A limited number of students not able to pay the full charge for tuition can have such a reduction as may be considered necessary.

Aid will be withdrawn from any student who does not maintain an average grade in all his studies of at least 80 per cent., or who falls below 70 per cent. in any study.

Students admitted free of tuition, who leave before completing the full course, are expected to pay the tuition for the time they are in the Academy.

Besides the direct aid afforded, the Principal will be glad to assist in finding remunerative employment for those who wish it. Every year some of the best students find work, either in the Academy or in some of the homes of Jacksonville, by means of which they materially aid themselves in securing an education.

REGULATIONS.

Academy students are required to attend morning prayers.

Careful records are kept of the attendance and scholarship of students, and reports are sent to parents at the close of each term. Satisfactory excuses must be given for all absences.

In order to continue in a class, a grade of not less than 60 per cent. is required. If a student does not maintain this grade, he will be admonished; and if, after due trial, he is still unable to do the work, he will be dropped from the class.

No student will be allowed to remain in the Academy who does not give evidence of diligent study, or who is unwilling to yield a cheerful obedience to the regulations of the institution.

Students not residents of Jacksonville are not allowed to leave the city at any time without permission previously obtained from the Principal.

The use of tobacco by students of the Academy is strongly discouraged, and at the request of parents will be strictly prohibited in the case of their sons.

Recitations are conducted from 8:15 A. M. to 3:30 P. M., in separate recitation rooms. The Academy Study Hall, a pleasant and commodious room, is used for study and assistance in the preparation of lessons. An instructor is always in charge, who gives his whole attention to individual instruction and explanation. This has proved a valuable feature of the work of the Academy, supplementing the work of the class room, and giving students the advantage of private instruction. Attendance is required unless excused by the Principal, and absences are reported as strictly as absences from recitations.

ILLINOIS

CLASS.	SEC.	8:15.	9:15	10:30
SENIOR.	ALL.	Economics, Civics. Sociology, Daily. Mathematics, 4, 6, 8, 11. Daily.	Mathematics, 3. Daily.	<i>Philosophy, Psychology, Psychophysics and Moral Science.</i> Daily.
JUNIOR.	ALL.	Mathematics, 4, 6, 8, 11. Daily. Biology 1, Tu., Th.	<i>History 2, English</i> 4. Daily.	Logie, M., W., F., half year. Physiology, M., W., F. Half year. Geology 2. M., W., F. Geology 3. Tu., Th.
SOPHOMORE.	Clas.	<i>Biology 1.</i> Tu., Th.	German, 5, 7, 9. Tu., Th.	<i>History 1.</i> Tu., Th. <i>English 3.</i> M., W., F.
	Phil.	<i>Biology 1.</i> Tu., Th.	Mathematics, 3. Daily.	<i>History 1.</i> Tu., Th. <i>English 3.</i> M., W., F.
	Sci.		German 1. M., W. F.	<i>History 1.</i> Tu., Th. <i>English 2.</i> M., W., F.
FRESHMAN.	Clas.	<i>Greek 1, 2, 3, 4, 5,</i> 6. Daily.	<i>Cato Maior, Laelius, Livy, Horace.</i> Daily.	Mathematics, 1a Tu., Th.
	Phil.		<i>Cato Maior, Laelius, Livy, Horace.</i> Daily.	
	Sci.	<i>Biology 1.</i> Tu., Th. <i>Biology 2.</i> M., W., F.	<i>Biology.</i> <i>German</i> *1. M., W., F.	Mathematics, 1b 1c. M., W., F.

Chapel 10:10 10:25 Daily.

Bible 1, 3:30 Monday.

 Required subjects in *italics*.

*Required of Scientifics who offer Latin at entrance.

COLLEGE.

11:30	1:30	2:30	3:30
History, 3, 4, 5. Daily. English, 14. M., W., F. (Spring.) English 6. Tu., Th. Botany, 1. Daily.	English, 7, 8, 9. M., W., F. Latin, 5, 6. Tu., Th.		
English 6. Tu., Th. Botany 1. Daily.	English, 7, 8, 9. M., W., F. Latin, 5, 6. Tu., Th.	Greek, 10, 11, 12. Tu., Th.	English. 5. Th.
English, 6. Tu., Th.			
Physics. Tu., Th.			
Chemistry. M., W., F. German,* 2a, 3a, 4a. M., W., F.	French,* 1, 2, 3. M., W., F.		
	English 1. Tu., Th.		English 2. W.
German 2, 3, 4. Daily	English, 1. Tu., Th.		English 2. W.
German,* 2a, 3a, 4a. M., W., F.	English, 1. Tu., Th.		English, 2. W.

*German, 2a, 3a, 4a, is required of those who have had only German 1. French, 1, 2, 3, is required of Scientifics who have had German 2, 3, 4.

* *Required of Scientifics who offer German at entrance.

WHIPPLE

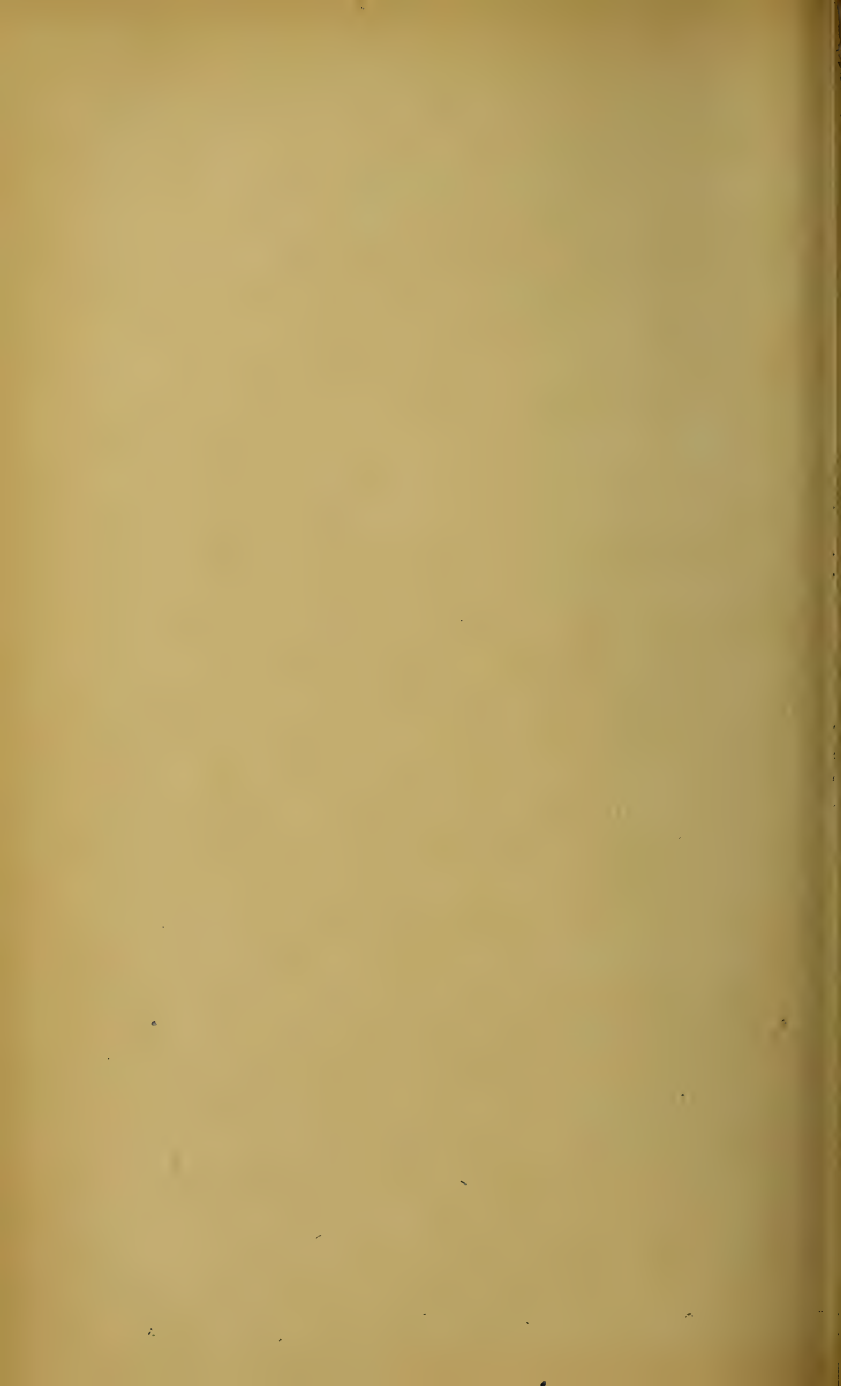
	Class.	Sec.	8:15	9:15	10:30
AUTUMN.	SENIOR.	Clas.	Vergil.	Study Hall.	
		Phil.	Vergil.	Study Hall.	German.
		Sci.		Study Hall.	{ German.
	MIDDLE.	Clas.	Cæsar.	Study Hall.	{ Latin Lessons.
		Phil.	Cæsar.	Study Hall.	Physiology.
		Clas.	Rhetoric.	Study Hall.	Latin Lessons.
	JUNIOR.	Phil.	Rhetoric.	Study Hall.	Latin Lessons.
		Sci.	Rhetoric.	Study Hall.	Physiology.
		Reg.	U. S. Hist. & Geog.	Study Hall.	Arithmetic.
	ENGLISH.	Spec.	U. S. Hist. & Geog.	Study Hall.	Arithmetic.
		Teach.	U. S. Hist. & Geog.	Study Hall.	Physiology.
WINTER.	SENIOR.	Clas.	Vergil.	Study Hall.	
		Phil.	Vergil.	Study Hall.	German.
		Sci.		Study Hall.	{ German.
	MIDDLE.	Clas.	Cicero.	Study Hall.	{ Latin Lessons.
		Phil.	Cicero	Study Hall.	Physics.
		Clas.	English Lit.	Study Hall.	Latin Lesson.
	JUNIOR.	Phil.	English Lit.	Study Hall.	Latin Lessons.
		Sci.	English Lit.	Study Hall.	Physics.
		Reg.	U. S. Hist. & Geog.	Study Hall.	Arithmetic.
	ENGLISH.	Spec.	U. S. Hist. & Geog.	Study Hall.	Arithmetic.
		Teach.	U. S. Hist. & Geog.	Study Hall.	Physics.
SPRING.	SENIOR.	Clas.	Cicero.	Study Hall.	
		Phil.	Cicero.	Study Hall.	German.
		Sci.		Study Hall.	{ German.
	MIDDLE.	Clas.	Cicero.	Study Hall.	{ Cæsar.
		Phil.	Cicero.	Study Hall.	Physics.
		Clas.		Study Hall.	Cæsar.
	JUNIOR.	Phil.		Study Hall.	Cæsar.
		Sci.		Study Hall.	Physics.
		Reg.	U. S. Hist. & Geog.	Study Hall.	Arithmetic.
	ENGLISH.	Spec.	U. S. Hist. & Geog.	Study Hall.	Arithmetic.
		Teach.	U. S. Hist. & Geog.	Study Hall.	Physics.

Chapel 10:10-10:25 Daily.

ACADEMY.

11:30	1:30	2:30	3:30
	Roman History.	Anabasis.	Elocution, 10. Tues.
	Roman History.		Elocution, 10. Tues.
Geometry.	Roman History.		Elocution, 10. Tues.
Geometry.		Greek Lessons.	Elocution, 7. Mon.
Geometry.			Elocution, 7. Mon.
	Algebra.		
	Algebra.		
	Algebra.		
	Study.	Grammar.	
	Study.	Grammar.	
	Algebra.	Grammar.	
	Gr. Hist. and Geog.	Iliad.	Elocution, 11. Tues.
		Zoology.	Elocution, 11. Tues.
Geometry.		Zoology.	Elocution, 11. Tues.
Geometry.		Greek Lessons.	Elocution, 8. Mon.
Geometry.			Elocution, 8. Mon.
	Algebra.		
	Algebra.		
	Algebra.		
	Study.	Grammar.	
	Study.	Grammar.	
	Algebra.	Grammar.	
	Algebra.	Iliad.	Elocution, 12. Tues.
	Algebra.		Elocution, 12. Tues.
Geometry.	Algebra.		Elocution, 12. Tues.
Geometry.		Greek Lessons.	Elocution, 9. Mon.
Geometry.			Elocution, 9. Mon.
	Eastern Nations & Gr.	Botany.	
	Eastern Nations & Gr.	Botany.	
	Eastern Nations & Gr.	Botany.	
	Study.	Grammar.	
	Study.	Grammar.	
	Study.	Grammar.	

Bible 1, 3:30 Monday.



STUDENTS.

ILLINOIS COLLEGE.

GRADUATING CLASS 1896.

Rupert Franz Asplund, C.	Little Indian.
Horace Herbert Bancroft, C.	Jacksonville.
George Edwin Baxter, P.	Griggsville.
James Edward Clifford, P.	Virginia.
Albin Charles DeMary, P.	Pleasant Plains.
Arthur Boyce Fairbank, P.	Waverly.
Henry Norbury Kuechler, S.	Jacksonville.
Homer Franklin Moore, C.	Jacksonville.
Cornelius Bernard Rourke, S.	Waverly.
Harry Fletcher Scott, C.	Hiramsburg, O.

GRADUATE STUDENT.

Willard Hayes Garrett,	Mendon.
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SENIORS.

Samuel Wallace Baxter, P. Diamond St., and Greenwood Ave.	Jacksonville
John Austin Bradley, C. 1202 West College Ave.	Lee, Mass.
John Gordon Carter, P. 921 West State St.	Jacksonville.
Will George Cartlich, S. 6 Crampton Hall.	Creston, Ia.
Frederick Joy Fairbank, C. 218 Westminster St.	Jacksonville.
Ora T. Fell, S. 614 South East St.	Jacksonville.

Neville Edward Harris, P.	Jacksonville.
923 South Main St.	
Harry Nathaniel Kirby, P.	Jacksonville.
1205 West College Ave.	
Henry Wolcott Kirby, C.	Jacksonville.
414 Lincoln Ave.	
Leonard Laurence Masters, S.	Jacksonville.
South Main St.	
Emmett William McBratney, P.	Griggsville.
23 Crampton Hall.	
Brown Ervin McIlvaine, S.	Tuscola.
9 Crampton Hall.	
Laurance Edwards Milligan, C.	Jacksonville.
149 Caldwell St.	
Elmer David Read, C.	Jacksonville.
222 N. Sandusky St.	
Earl Vogel, S.	Jacksonville.
1428 South Main St.	

JUNIORS.

Charles Otis Boston, S.	Jacksonville.
402 Sandusky St.	
Vincent Jacob Cohenour, S.	Pittsfield.
912 West State St.	
Earl Gilbert Cowdin, S.	Illioopolis.
603 North Fayette St.	
Byron Clary Darling, C.	Jacksonville.
21 Crampton Hall.	
William Ezra Doane, S.	Tempest.
3 Crampton Hall.	
John Stewart Dobyns, S.	Jacksonville.
1030 West State St.	
Mendal Garbutt Frampton, C.	Pittsfield.
23 Crampton Hall.	
Michel Huffaker Grassly, S.	Jacksonville.
857 South Clay Ave.	
James Cheseldine Lathrop, C.	Winchester.
901 West State St.	
William Walter Moore, C.	Jacksonville.
856 West State St.	
Willard Holbrook Palmer, C.	Jacksonville.
252 Park St.	

Fred Oren Philbrook, C.	Jacksonville.
229 Lockwood Place.	
Charles Ernest Read, C.	Jacksonville.
710 West College St.	
William Edgar Sampson, S.	Tice.
711 West College St.	
Frederick Chauncey Tanner, C.	Jacksonville.
1328 Mound Ave.	

SOPHOMORES.

Herbert Joseph Capps, P.	Jacksonville.
823 North Church St.	
Percy Grierson Capps, S.	Jacksonville.
854 West College Ave.	
Howard Turner Carriel, S.	Jacksonville.
1018 Grove St.	
Luther Robert Catlin, S.	Aurora.
823 West College Ave.	
Myron Edward Duckles, S.	Chesterfield.
1152 West College Ave.	
Harry Joy Dunbaugh, C.	Jacksonville.
846 Grove St.	
Frank Rumsey Elliott, C.	Jacksonville.
1103 West State St.	
William Engelbach, S.	Arenzville.
317 West State St.	
Egbert W. Fell, S.	Jacksonville.
614 South East St.	
Charles Clayton Forbes, S.	Danvers.
28 Crampton Hall.	
William Elihu Guy, P.	Kirkwood, Mo.
502 South Church St.	
Horace Chase Hall, S.	Chesterfield.
19 Crampton Hall.	
Robert Carroll Kennedy, S.	Jacksonville.
1042 Grove St.	
George William Curtis Parker, C.	Mt. Sterling.
1055 West College Ave.	
Albert Hurd Rankin, P.	Jacksonville.
846 West State Street.	

Charles Bradley Russell, S.	Stockbridge, Mass.
28 Crampton Hall.	
Louis Henry Schroeder, C.	Quincy.
125 Westminster St.	
Frank Raymond Wheeler, S.	Auburn.
1025 West College Ave.	
John Thomas White, S.	Cross Plains, Tenn.
10 Crampton Hall.	

FRESHMEN.

Theodore Warren Beadle, S.	Greenville.
616 West College Ave.	
William Brown Burr, P.	Jacksonville.
225 Prospect St.	
Pearl Waller Campbell, S.	Jacksonville.
1327 South Clay Ave.	
Charles Edward Cole, P.	Jacksonville.
216 West College Ave.	
Charles David Correll, S.	Illio polis.
26 Crampton Hall.	
Harry Dickerman Dobyns, S.	Jacksonville
1030 West State Street.	
William Sanders Elliott, C.	Jacksonville.
1103 West State Street.	
Edward Henry Fulton, S.	Jacksonville.
233 Prospect St.	
Frederick Franklin Garrison, S.	Jacksonville.
121 West College Ave.	
Primm Robert Hawthorne, S.	Petersburg.
13 Crampton Hall.	
Oscar Edwin Hewitt, S.	Chesterfield.
19 Crampton Hall.	
Alden R. Hicks, S.	Jacksonville.
830 West College Ave.	
John Kearns, Jr., C.	Jacksonville.
608 West Lafayette Ave.	
Allen Mason King, S.	Jacksonville.
812 West State St.	
George Logan Kraber, S.	Quincy.
517 West College Ave.	

Harvey Green McLaughlin, S.	Winchester.
13 Crampton Hall.	
Archibald Lachlan McNeil, S.	Berlin.
860 Grove St.	
Oscar Miller, S.	Laomi.
1106 West Lafayette Ave.	
Eugene Greene Nelson, S.	Jacksonville.
27 Crampton Hall.	
Carl Maynard Owen, S.	Jacksonville.
851 Grove St.	
Louis Samuel Sægesser, S.	Jacksonville.
364 West College Ave.	
Wilbert Hoyt Sanford, S.	Jacksonville.
717 West College Ave.	
David Percy Strickler, S.	Mendon.
1055 West College Ave.	
Frank Byron Tomlin, S.	Pleasant Plains.
26 Crampton Hall.	
Samuel Tompkins, S.	Jacksonville.
501 West State St.	
Claude Unger, P.	Naples.
823 West College Ave.	
James Blair Vigus, S.	Jacksonville.
209 South Fayette St.	
Herbert Samuel Walker, C.	Jacksonville.
Deaf and Dumb Institution.	
William Dalton Walker, S.	Jacksonville.
429 South Church St.	
John J. Ward, S.	Jacksonville.
406 South Goltra St.	

SPECIALS.

Elisha Brown Adams,	Jacksonville.
1109 West State St.	
Milem Josiah Alkire,	Petersburg.
24 Crampton Hall.	

WHIPPLE ACADEMY.

SENIORS.

Allan Brownell Ayers,	Jacksonville,
Allan Farrell Ayers,	Jacksonville.
Clayton Jackson Barber,	Cantrall.
Reynold William Becraft,	Millersburg, Ky.
Francis William Bristow,	Virginia.
Frederick Clifford Carriel,	Jacksonville.
Frederick Coffin Coleman,	Jacksonville.
Edgar Wright Cunningham,	Murrayville.
George Dirreen,	Virginia.
Andrew D. Duff,	Pearl.
William Percy Duncan,	Jacksonville.
Dwight Beverly Eames,	Jacksonville.
John Ross Frampton,	Pittsfield.
Andrew Jotham Goodell,	Chandlerville.
Harry Carriel Gordon,	Jacksonville.
Allen Joy Green,	Jacksonville.
Julian W. Hall,	Jacksonville.
John Agee Jess,	Jacksonville.
Benjamin Kirby,	Tallula.
George Jackson Kneeland,	Griggsville.
Orion Frank Konantz,	Quincy.
Victor Walfred Nelson,	Chicago.
Edward Oliver Phillips,	Virginia.
James Arthur Rice,	Jacksonville.

Walter Robinson,	Mounds.
Carrol Darwin Safford,	Washington, N. H.
Bert Van Winkle,	Jacksonville.
Byron Lyonel Virgin,	Prentice.
George Kelly Whittlesey,	Jacksonville.
Alfred Williams,	Hillsboro.
Barnett Dean Stewart Wyllie,	O'Fallon.

MIDDLEERS.

Lloyd Lackland Adams,	Jacksonville.
Charles Adams Balch,	Lincoln.
Sandy Absalom Baptist,	Jacksonville.
Stephen Reid Capps,	Jacksonville.
Charles Clinton Clement,	Greenfield.
Frank Craven,	Chandler.
William Leopold De Leuw,	Jacksonville.
Robert Lincoln McNeil,	Berlin.
Emanuel Concie Pires,	Jacksonville.
Harlan Eugene Read,	Jacksonville.
Charles Henry Starr,	Jacksonville.
Charles Alfred Sturtevant.	Jacksonville.
James Gillham Winterbottom,	Jacksonville.

JUNIORS.

John Edmund Allen,	Hulls.
Harry Elmer Benton,	Jacksonville.
Wilson Clayton Birkenmayer,	Jacksonville.
Roy Robert Bruning,	Havana.
Charles Bugg,	Springfield.
John Irwin Chambers,	Jacksonville.
Fred Crawford Doane,	Tempest.
Albert Henry Dollear,	Jacksonville.

Ralph Irwin Dunlap,	Jacksonville.
Frederick Wallace Ferguson,	Odin.
Hugh Elbert Filson,	Concord.
Clarence Anderson French,	Jacksonville.
Ralph Waldo Emerson Funk,	Alexander.
Wilber Fiske Galeener,	Jacksonville.
James Robert Gardener,	Pleasant Plains.
Elvin David George,	Staunton.
Jochim Dedlef Frederick Grage,	Jacksonville.
Ralph Benton Gray,	New Salem.
Robert Hockenhull,	Jacksonville.
William J. Kreider,	Jacksonville.
John Allen Lenington,	Jacksonville.
William Adams Lippincott,	Jacksonville.
Frank Roland Adams,	Boulder.
John William McHarry,	Havana.
Oswell Laurie McNeil,	Berlin.
Herschel Clarence Megaw,	Owaneco.
Thomas Guy Mullikin,	Tuscola.
Leroy Percival Owen,	Jacksonville.
Charles Howard Phelps,	Jacksonville.
Walter Lee Read,	Jacksonville.
John Ralph Roach,	Concord.
Walter Benjamin Sægesser,	Jacksonville.
John Allen Schmink,	Decatur.
George Abitia Sharpe,	Jacksonville.
Edgar Wilson Smith,	Jacksonville.
Martin Leslie Smith,	Jacksonville.
La Fayette Starr,	Jacksonville.
Edward Leroy Stimpson,	Jacksonville.

Julian Monson Sturtevant,	Jacksonville.
Luther William Tomlin,	Teheran.
George Washington Tontz,	Grant Fork.
Knowles Shaw Tontz,	Highland.
Jay Alton Tredick,	Chicago.
John Antonio Vasconcellos,	Jacksonville.
Loren Felix Vaughn,	Golconda.
Isaac Leonard Walls,	Rohrer.
Drury Thomas Whitlock,	Short.
Joseph Erastus Winterbottom,	Jacksonville.
Henry Youngheim,	Columbus.

ENGLISH.

John William Bramham,	Jacksonville.
James Mason Doolittle,	Jacksonville.
George Everett Doying,	Jacksonville.
Thomas Perry Entrikin,	Jacksonville.
Lester Clifford Galeener,	Jacksonville.
Monroe Elmer Garrison,	Walshville.
Fred William Grassly,	Jacksonville.
John William Harrison,	Jacksonville.
Harry Erastus Henry,	Jacksonville.
Ernest Hinrichsen,	Jacksonville.
John Lasell Hockenhull,	Jacksonville.
George Kearns,	Jacksonville.
Clyde L. Mowder,	Havana.
Joseph Bruce Mowder,	Havana.
Charles Moore Russell,	Jacksonville.
Duke Percivile Sears,	Jacksonville.
Beverly Clinton Skinner,	Jacksonville.
Timothy Elmer West,	Jacksonville.

 SPECIALS.

George Maxwell Chambers,	Jacksonville.
Arthur Daniels Fairbank,	Jacksonville.
Louis Edwin Hess,	New York, N. Y.
Alexander Allan McDonald,	Jacksonville.

 SUMMARY.

ILLINOIS COLLEGE,	WHIPPLE ACADEMY.
Graduating Class.....10	Seniors..... 31
Graduate Student..... 1	Middlers..... 13
Seniors.....15	Juniors..... 49
Juniors.....15	English..... 18
Sophomores.....19	Special..... 4
Freshmen.....30	
Special..... 2	Total.....115
Total.....92	
Total of College and Academy.....207	

TRIENNIAL CATALOGUE

OF

ILLINOIS COLLEGE

1897.

OFFICERS OF GOVERNMENT AND INSTRUCTION.

PRESIDENTS.

APPOINTED.		RETIRED FROM OFFICE.
1831	Rev. Edward Beecher, D. D.	1844
1844	Rev. Julian Munson Sturtevant, D. D., LL. D.	1876
1876	Rufus C. Crampton, LL. D. (Acting)	1882
1882	Rev. Edward A. Tanner, D. D.	1892
1892	John E. Bradley, Ph. D., LL. D.	—

TRUSTEES.

1829	Hon. Samuel Drake Lockwood	1868
1829	William C. Posey	1849
1829	John Park Wilkinson	1841
1829	Rev. Theron Baldwin, D. D.	1870
1829	Rev. John Flavel Brooks	1886
1829	Rev. Mason Grosvenor, D. D.	1833
1829	Rev. Elisha Jenney	1870
1829	Rev. William Kirby	1851
1829	Rev. Julian M. Sturtevant, D. D., LL. D.	1831
1829	Rev. Asa Turner	1844
1831	Rev. Edward Beecher, D. D.	1844
1831	Rev. John G. Bergen, D. D.	1872
1832	John Tillson	1853
1834	Rev. Gideon Blackburn, D. D.	1838

1835	Hon. Joseph Duncan	1844
1835	Thomas Mather	1853
1835	Winthrop S. Gilman	1844
1835	Frederick Collins	1877
1838	Rev. Thomas Lippincott	1869
1842	David A. Smith	1866
1844	David B. Ayers	1850
1844	William H. Brown	1848
1844	Rev. Julian M. Sturtevant, D. D., LL. D.	1876
1844	Rev. William Carter	1871
1849	Rev. Albert Hale	1885
1852	Rev. Livingstone M. Glover, D. D.	1870
1852	Rev. Edwin Johnson	1858
1852	John W. Lathrop	1886
1853	Hon. Richard Yates, LL. D.	1860
1854	John James, M. D.	1860
1859	Hon. Henry E. Dummer	1878
1860	Hon. James Berdan	1875
1860	Joshua Moore	1872
1866	Eliphalet W. Blatchford	1875
1868	Hon. Newton Bateman, LL. D.	1876
1870	Rev. William H. Savage	1877
1870	Rev. John K. McLean	1872
1871	Edward P. Kirby, LL. D.	—
1871	Col. Charles G. Hammond	1875
1871	Lorenzo Bull	1876
1874	Rev. Constans L. Goodell, D. D.	1886
1874	Rev. Martin K. Whittlesey, D. D.	1886
1875	Hiram K. Jones, M. D., LL. D.	1886
1875	Daniel W. Fairbank	1892
1876	Julius E. Strawn	—
1877	Lloyd W. Brown, M. D.	—
1877	Gen. Erastus N. Bates	1879
1877	Harvey W. Milligan, A. M., M. D.	1882
1878	Rev. William H. Collins	—
1879	Marshall P. Ayers	—
1878	William C. Goudy, LL. D.	1880
1880	Rev. George C. Adams	1890
1882	Robert Hockenhull	1888
1885	Frank W. Tracy	—
1885	Charles S. Rannells	—
1886	Thomas C. MacMillan	—

1886	Charles Ridgely	—
1886	Robert D. Russell	—
1886	Aaron B. Mead	—
1886	Thomas J. Pitner, M. D.	—
1888	Bedford Brown, A. M.	—
1891	William D. Marsh	—
1891	Charles H. Morse	—
1891	Egbert W. Gillett	—
1891	Ensley Moore	—
1893	Henry F. Carriel, M. D.	—
1893	Rev. John B. Fairbank, D. D.	—
1895	Harold W. Johnston, Ph. D.	—
1896	Hon. Richard Yates, A. M.	—
1896	Rev. Samuel H. Dana, D. D.	—
1896	Oliver J. Bailey	—

TREASURERS.

1829	John Park Wilkinson	1836
1836	Nathaniel Coffin	1848
1848	Joseph H. Bancroft	1850
1850	Hon. Samuel D. Lockwood	1852
1852	Henry S. Dutch	1852
1852	Samuel L. Whipple, M. D.	1858
1858	Hon. James Berdan	1869
1869	Hon. Henry E. Dummer	1874
1874	Edward P. Kirby, LL. D.	—

PROFESSORS.

Intellectual and Moral Philosophy.

1831	Rev. Edward Beecher, D. D.	1844
1844	Rev. Julian M. Sturtevant, D. D., LL. D.	1870
1886	Rev. Edward A. Tanner, D. D.	1892
1892	John E. Bradley, Ph. D., LL. D.	—

Mental Science and Science of Government.

1870	Rev. Julian M. Sturtevant, D. D., LL. D.	1886
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Moral Philosophy and Evidences of Christianity.

1870	Rev. Mason Grosvenor, D. D.	1880
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Natural Theology and Evidences of Christianity.

1886	Rev. Edward A. Tanner, D. D.	1892
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Mathematics, Natural Philosophy and Astronomy.

1831	Rev. Julian M. Sturtevant, D. D., LL. D.	1844
1849	William Coffin, A. M.	1852

Mathematics and Astronomy.

1854	Rufus C. Crampton, A. M., LL. D.	1888
1891	James B. Shaw, Jr., D. Sc.	—

Latin and Greek Languages and Literature.

1834	Rev. Truman M. Post, D. D.	1847
1848	Rev. Reuben S. Kendall	1842
1853	Rev. Rufus Nutting, D. D.	1866

Rhetoric and English Literature.

1833	Rev. Jonathan B. Turner	1847
1854	Rev. William D. Sanders, D. D.	1869
1872	Rev. Charles W. Clapp	1876
1877	S. S. Hamill, A. M.	1878
1882	Harvey W. Milligan, A. M., M. D.	—

Natural Philosophy, Chemistry and Natural History.

1838	Samuel Adams, A. M., M. D.	1877
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Latin Language and Literature.

1865	Rev. Edward A. Tanner, D. D.	1885
1886	Harold W. Johnston, Ph. D.	1895

Natural Sciences.

1871	Henry E. Storrs, A. M., Ph. D.	1887
1894	Truman P. Carter, A. M.	—

Greek Language and Literature.

1883	Edward B. Clapp, A. M., Ph. D.	1890
1892	Milton E. Churchill, A. M., B. D.	—

Philosophy.

1886	Hiram K. Jones, LL. D.	—
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Agricultural Science.

1886	Samuel W. Parr, M. S.	1890
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English and Oratory.

1894	John M. Clapp, A. M.	—
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Pedagogy.

1892	Rev. Joseph R. Harker, Ph. D.	1893
1894	Jacob A. Zeller, A. M.	—

Theory and Practice of Medicine.

1843	Daniel Stahl, M. D.	1844
1845	John James, M. D.	1847

Anatomy and Physiology.

1843	David Prince, M. D.	1845
1845	John L. Miller, M. D.	1847

Obstetrics.

1843	Henry Jones, M. D.	1848
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Materia Medica and Therapeutics.

1843	Samuel Adams, M. D.	1845
1845	Edward Mead, M. D.	1846
1846	Henry Wing, M. D.	1848

Surgery and Anatomy.

1844	William B. Herrick, M. D.	1844
1845	David Prince, M. D.	1848

Chemistry and Physical Etiology.

1845	Samuel Adams, M. D.	1848
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PRINCIPALS OF WHIPPLE ACADEMY.

1880	Harold W. Johnston, Ph. D.	1884
1884	Rev. Joseph A. Harker, Ph. D.	1893
1893	Jacob A. Zeller, A. M.	—

INSTRUCTORS.

1830	Julian M. Sturtevant	1831
1831	William Kirby	1835
1832	Erastus Colton	1834
1833	Truman M. Post	1834
1833	Jonathan B. Turner	1834
1835	Zerah K. Hawley	1835
1835	Reuben Gaylord	1837
1839	Robert W. Patterson	1840
1843	Samuel Willard	1844
1844	William H. Starr	1846
1844	William Coffin	1849
1846	George W. Harlan	1848
1847	Rensselaer Winchell	1848
1848	Levi P. Crawford	1850
1849	Alfred L. Harrington	1852
1850	William Bishop	1852
1852	Spooner Ruggles	1852

1852	Joseph C. Pickard	1856
1852	Henry M. Tupper	1854
1852	Edward Ruggles	1853
1853	James H. Blodgett	1854
1854	Alfred N. Denny	1855
1855	Julian M. Sturtevant, Jr.	1856
1856	James W. Sturtevant	1857
1865	William Dodd	1866
1865	Franklin Adams	1865
1865	J. Tilden Moulton	1866
1866	George B. Dodge	1867
1866	James H. Palmer	1867
1869	George W. Bailey	1882
1870	Henry E. Storrs	1871
1870	S. F. Randall	1871
1870	Alfred H. Sturtevant	1883
1874	Clement L. Clapp	1875
1875	Frederick A. Brown	1876
1876	Charles B. Reynolds	1878
1878	George R. Walker	1880
1880	Harold W. Johnston	1886
1881	Clarence D. Rogers	1881
1882	Hiram T. Smith	1882
1882	Edward B. Clapp	1883
1884	Herbert M. Clarke	1885
1884	Joseph R. Harker	1892
1885	Samuel W. Parr	1886
1887	John C. Rice	1888
1887	Edward Capps	1888
1887	Murray M. Morrison	1888
1888	George L. Merrill	1894
1888	Thomas W. Smith	1890
1888	J. Howard Pratt, Jr.	1890
1890	James B. Shaw	1891
1890	John M. Clapp	1894
1890	Henry E. Scott	1891
1891	Truman P. Carter	1894
1892	Frederick W. Sanford	—
1893	Augustus Walters	1894
1894	Edwin G. Baldwin	1897
1894	James W. Putnam	—
1895	Willard H. Garrett	—

CATALOGUE OF ALUMNI.

FROM 1835 TO 1897.

The Faculty desire to make the next Register more accurate and complete, and will be grateful to any one who will call attention to errors or omissions in the present one. All alumni are urged to notify the Secretary of the Faculty of changes of address, later degrees and official positions.

1835.

*Spilman, Rev. Jonathan E., D. D., Central Univ.

2—*Yates, Richard, LL. D., Beloit College.

1836.

Barton, Rev. Charles B., A. B., Retired Clergy-
man.

Jacksonville.

*Morse, James K., A. B.

*Dixon, Rev. Alvin M., A. M.

4—*Stewart, James P., A. M.

1837.

*Blood, Rev. Charles E., A. M.

*Patterson, Robert W., D. D., Hamilton Col.

3—*Seofield, Rev. Edward, A. M.

1838.

*Burritt, William H., A. B.

*Carlin, Rev. William H., A. B.

*Curtiss, Rev. William S., D. D., Madison Univ.

*Hall, Rev. Eli E., A. M., LL. B., Yale Univ.

*Hitchcock, Rev. Allen B., A. B.

Laurie, Rev. Thomas, D. D., Williams College.

253 Knight St., Providence, R. I.

*Mears, Rev. Rollin, A. M.

*Nelson, Rev. David D., A. B.

— Perry, Rev. Ralph, A. M.

Agawam, Mass.

1839.

*Chandler, Jesse, A. B.

*Curtiss, Rev. George C., D. D., Hamilton College.

- *Goudy, Calvin, A. M., M. D., Univ. of Missouri.
 *Goudy, Robert, A. B., M. D.
 *Graves, Rev. Joseph S., A. M.
 *Kendall, Rev. Reuben S., A. M.
 *Porter, Joseph N., A. B.
 8—*Simpson, Rev. Charles D., A. M.
 1840.
 *Hicks, Rev. Marcus, A. M.
 *Holmes, Rev. William, A. M.
 *Jones, Rev. Williston, A. M.
 *Kenworthy, Rev. Thomas C., A. B.
 *Nelson, Henry A., A. B.
 *Pearson, Rev. Reuel M., A. M.
 *Pyle, Rev. George, A. M.
 *Turner, Rev. Edward B., A. B.
 9—*Wells, Rev. Shepard, A. M.
 1841.
 Chapman, John H., A. B. Virginia.
 *Coffin, Rev. William, A. M.
 Dunham, Lavinus, A. B., M. D., Univ. of Mo. St. Louis, Mo.
 4— Spencer, Joseph, A. B.
 1842.
 *Bradley, William P., A. M.
 Estabrook, Abel W., A. B. 824 N. 8th St., Springfield.
 Fagg, Thomas J. C., LL. D. Louisiana, Mo.
 Fairbank, Rev. Samuel B., D. D. Missionary,
 A. B. C. F. M. Ahmednagar, India.
 Lowe, Jeremiah D., A. B., Horticulturist. Riverside, Cal.
 *Lyman, Azel S., A. B.
 7—*Whitney, Jackson D., A. B.
 1843.
 Ayers, Marshall P., A. B. Banker; Trustee Illi-
 nois College. Jacksonville.
 Baker, Edwin S., A. B. Cherry Vale, Kan.
 Bateman, Newton, LL. D., Prest. Emeritus
 Knox College. Galesburg.
 Beecher, Rev. Thomas K., D. D., Pastor The
 Park Church. Elmira, N. Y.
 *Merritt, Rev. William C., A. M.
 Morton, John T., A. M., Ex-Justice Superior
 Court. Topeka, Kan.
 *Starr, Rev. William H., A. M.

*Strode, Rev. Eugene, A. M.

*Thayer, Charles F., A. B.

10—Willard, Samuel, A. M., M. D., LL. D., Knox College; Professor History West Div. High School; Author of "Synopsis of History," and other books.

865 Jackson Boul'd, Chicago.

1844.

Henry, Rev. James H., A. M.

*Howell, Rev. John S., A. B.

Jones, Hiram K., M. D., LL. D., Professor of Philosophy Illinois College. Jacksonville.

*Phillips, Parmenio L., A. M., M. D.

*Tillson, Charles H., A. B.

6—*Wing, Henry, A. M., M. D.

1845.

Blatchford, Eliphalet W., A. M. 375 La Salle Ave., Chicago.

*Carter, William C., A. B.

Catlin, Rev. William E., A. M., President Catlin Land and Live Stock Co. White Sulphur Springs, Mont.

*Collins, Henry T., A. M.

*Goudy, William C., A. M., LL. D.

*Ireland, Rev. William, A. M.

Jones, Erastus S., A. M., M. D. 2845 Clark Ave, St. Louis, Mo.

*Lewis, Barbour, A. M.

*Lyons, Henry M., A. M., M. D., College Physicians and Surgeons, New York.

Ward, Timothy, A. B.

11—Winchell, Rev. Rensselaer. A. M. Dryad's Green, Northampton, Mass.

1846.

*Baldwin, Florence E., A. M.

Harlan, Rev. George W., A. M. Farmington, Mo.

3—*Shaw, John B., A. M.

1847.

Ayers, Augustus E., A. B., Banker. Jacksonville.

Bishop, William, D. D., Highland Univ., Formerly Professor in Hanover College and President of Highland Univ. Salina, Kan.

Clark, John G., A. B., Lawyer. Lancaster, Wis.

Epler, Cyrus, A. B., Judge of Circuit Court. Jacksonville.

- Giddings, Frederick S., A. B., Yale University,
Lawyer. Madison, Wis.
- *Ireland, Rev. Henry P., A. B.
Jayne, William, A. M., M. D., Univ. of Missouri. Springfield.
- 8—*Wilkinson, Robert, A. M.
1848.
- *Craig, David, A. B.
Crawford, Rev. Levi P., A. M., Retired Clergy-
man. Pasadena, Cal.
- *English, James W. A. M.
- *Lippincott, Charles E., A. M., M. D., St. Louis
University.
- *Pierson, Rev. George, A. M.
Strawn, Rev. William, A. M. Odell.
- 7—Van Eaton, Henry S., A. M., Ex-Judge of Chancery
Court; Member of 48th and 49th Con-
gresses; Lawyer and Cotton Planter Woodville, Miss.
1849.
- Crawford, Phineas W., A. B., Lawyer. Dubuque, Iowa.
- *Doane, Rev. Edward T., A. B.
- *Engelbach, Herman, A. B.
Harrington, Rev. Alfred L., A. M. Pawnee City, Neb.
Thayer, Rev. Gustavus H., A. M. Waverly.
- 6—*Williams, James H., A. M.
1850.
- Collins, Rev. William H., A. M., Retired from
Business; Trustee of Illinois College. Quincy.
- 2—*Ruggles, Rev. Edward, A. M.
1851.
- *Dunham, Cornelius L., A. M.
English, John W., A. B. Pt. Pleasant, W. Va.
Gladney, Charles, A. B. Annada, Mo.
- *Ruggles, Rev. Spooner, A. B.
- 5—*Vanstavoren, Rev. Abraham, A. B.
1852.
- Chambers, Roland R., A. B., Merchant. Jacksonville.
- Dixon, Rev. J. J. A. T., A. M., Clergyman. Bunker Hill, Kan.
- Knox, William, A. M., M. D., University of
Louisville. Seeley Ave and Monroe St., Chicago
- Prince, Edward, A. B., Civil Engineer; Member
Essex Inst., Salem, Mass. Quincy.
- *Smith, Thomas W., A. M.

- Stryker, Henry, A. M. Jacksonville.
- 7— Tunnell, Rev. Robert M., A. B., Pastor Congregational Church. Manhattan, Kan.
1853.
- Blodgett, James H., A. M., Specialist in Education, Bureau of Education; Member of Anthropological Society of Washington; American Statistical Association; American Academy of Social and Political Science, and American Historical Association.
973 9th St. N. W., Washington, D. C.
- Fisk, Rev. Eli C., A. M., Farmer. Havana.
- Merrill, Stephen A., A. B., M. D. Doloney, Cal.
- Selby, Paul, A. M., Writer. 3565 Rhodes Ave., Chicago.
- 5— Sydnor, Antony W., A. B., M. D., Farmer. Shattue.
1854.
- Bishop, Robert H., A. B. Salina, Kan.
- *Denny, Rev. Alfred N., A. M.
- *Gore, John, B. S.
- *Happy, William W., A. M.
- *Jones, Cumberland G., A. M., M. D., St. Louis Medical College.
- Keyes, Charles A., A. B., Postmaster. Springfield.
- Kirby, Edward P., LL. D., Lawyer; Trustee, Secretary and Treasurer of Board of Trustees of Illinois College. Jacksonville.
- *Laurie, Rev. Inglis, A. B.
- Nash, Daniel B., A. M., Lawyer; The Vermont. 51st St., Chicago.
- Ridgely, Charles, A. M., Banker, Manufacturer and Miner of Coal. Springfield.
- Roberts, Rev. James G., D. D., Drury College. 339 McDonough St., Brooklyn, N. Y.
- Strong, John D., B. S. St. Joseph, Mo.
- 13—Sturtevant, Rev. Julian M., D. D. Evanston.
1855.
- *Brown, Daniel J., A. B.
- Burt, Rev. Jirah S., A. M. Pittsfield.
- *Noyes, Rev. George C., D. D.
- Finley, William H., B. S., M. D., Physician, Surgeon and Druggist. Franklin, Neb.

- Lacey, Lyman, A. M., Judge Circuit Court 7th District. Havana.
- Mathews, Asa C., A. M., Lawyer. Pittsfield.
- 7— Van Eaton, Flavel H., B. S., M. D. Clearwater, Kan.
- 1856.
- *Bates, Daniel J., A. B.
- Bergen, Abraham S., A. B., Lawyer, Ex-Judge Supreme Court of New Mexico. Topeka, Kan.
- *Eno, Francis V. L., A. M.
- *Geyer, Edward T., B. S.
- Marsh, Henry L., A. B.
- McCord, Rev. Robert L., A. B., Retired Clergyman. Lake City, Iowa.
- Moore, George W., B. S. Arnold.
- Morris, Rev. James C., A. M., D. D., Nashville, Tenn.
- Moulton, Jotham T., Jr., A. M. Aurora, Ark.
- *Nutting, Rev. William J. G., A. B.
- Sewall, William W., B. S., Horticulturist. Carthage, Mo.
- Smith, James D., A. M. Berlin.
- Smith, John P., A. M. Berlin.
- 14—*Sturtevant, J. Warren, A. M.
- 1857.
- Branson, Nathaniel W., A. B., Lawyer. Petersburg.
- Capps, Stephen R., A. M., Manufacturer. Jacksonville.
- English, George H., B. S. 706 Nelson Building, Kansas City, Mo.
- Fairbank, Rev. John B., A. M., D. D., Trustee Illinois College. Waverly.
- *Gibbs, William H., A. M.
- *Kerr, Charles D., A. B.
- *McLaughlin, Rev. James, A. B.
- Potts, William H., A. B. Whitehall.
- Shaw, James, A. B., Judge Circuit Court, Ex-Member of the State Legislature and Speaker of House. Mount Carroll.
- Symonds, Edwin K., A. B., Insurance Agent. 10 Warren Ave., Chicago.
- *Tanner, Rev. Edward A., D. D.
- 12—*Turner, Rudolphus K., A. M.
- 1858.
- *Ardery, Harrison W., B. S.
- Ayers, James C., B. S. Aurora.
- Comer, Sater C., A. B., Farmer. Elvaston.

- Draper, Daniel M., A. M. Denver, Col.
 Epler, James M., B. S. Seattle, Wash.
 Epler, William Frank, B. S. Seattle, Wash.
 *Ferguson, William C., A. M.
 *Hanback, John E., A. B.
 McCowan, James, B. S. 632 61st St., Chicago.
 Miller, Rev. John W., A. M.
 *Moore, John A., B. S.
 *Philbrick, Charles H., A. M.
 *Rouse, George W., B. S.
 14—Wood, John H., A. M. Atlantic, Iowa.
 1859.
 Bristow, Edmund H., A. M., Lawyer, Vice-Pres.
 Mississippi State Bar Association. Aberdeen, Miss.
 Callon, William P., B. S., Lawyer. Jacksonville.
 *Dayton, Ephraim, B. S.
 Eaman, John M., A. B., Druggist. 25 Henry St., Detroit, Mich.
 *Eno, Edward B., A. M.
 *Estabrook, Henry N., B. S.
 Gaty, Samuel T., B. S. St. Peters, Mo.
 Gill, Rev. William, A. B. Roberts, Wis.
 *Jones, William W., B. S.
 McConnell, Edward, A. M., Lawyer, Member 39th
 and 40th Gen'l Assemblies of Illinois. Jacksonville.
 Reed, Albert, A. B. Jacksonville.
 *Reed, Lyman C., A. M.
 *Roberts, Rev. George L., A. M.
 Tindall, Daniel W., B. S., M. D., University of
 Michigan, Farmer. Taylor, Mo.
 15—Wolecott, Richmond, A. M., Lawyer. Springfield.
 1860.
 *Adams, Franklin, A. M.
 Ballard, John A., A. M.
 Booth, Thomas, A. B., Grain Merchant.
 210 N. Third St., St. Louis, Mo.
 *Brown, Charles S., A. M.
 Bulkley, Robert H., A. M., Real Estate Dealer.
 Elm St., Chicago.
 Edgar, William H., A. B., Editor. Beatrice, Neb.
 *English, William L., A. M.
 Hamilton, Elisha B., Lawyer; Inspector Gen-
 eral of Illinois for some years. Quincy.

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- | | |
|--------------------------------|---------------|
| Smith, David B., A. M. | Jacksonville. |
| Smith, John A., A. M., Farmer. | Jacksonville. |
| Turner, John B., A. B. | Butler. |
- 12—*Turner, William H., B. S.
- 1861.
- | | |
|---|-------------------------------|
| Berry, Milton, A. B., City Recorder. | Ashland, Ore. |
| *Brown, John W., A. B. | |
| *Cassell, Harrison O., A. B. | |
| Craig, James W., B. S. | De Funiak Springs, Fla. |
| *English, George A., B. S. | |
| *Epler, Myron L., A. B. | |
| *Fry, John D., B. S. | |
| Halbert, Robert A., A. M. | Belleville. |
| Hamilton, Samuel S., A. M. | |
| Keplinger, Hardin G., B. S., Banker. | Franklin. |
| Lansden, John M., A. B., LL. B., Albany Law School. | Cairo. |
| Littell, Stephen B., B. S. | Winfield, Kan. |
| Post, Henry M., A. B., Lawyer; Director, Secretary and Attorney St. Louis Car Coupler Co. | 520 Olive St., St. Louis, Mo. |
| *Saunderson, Michael, A. B. | |
| Strawn, Julius E., A. B., Trustee Ill. College. | Jacksonville. |
- 16—Whipple, Nathaniel L., A. B., M. D., St. Louis Medical Coll., Member Missouri State Medical Society.
- 1862.
- | | |
|---|---------------------------------|
| Bergen, Rev. George S., A. M. | 230 W. 123d St., New York City. |
| *Capps, William E., A. M. | |
| *Gallaher, William G., A. M. | |
| Garlick, Joshua P., A. B., Supt. of Schools. | Oakland, Cal. |
| Hitchcock, Norman S., A. B. | San Francisco, Cal. |
| Martin, J. C., A. M. | Oakland, Cal. |
| *Newman, Jesse B., A. M. | |
| *Oliver, Rev. William C., A. B. | |
| Pitner, Thomas J., B. S., M. D., Columbia College, Trustee Ill. College and Ill. Female College; Member American Medical Association and Vice-President Ill. State Medical Society. | Jacksonville. |
| Thompson, David W., A. M. | 326 Chestnut St., Englewood. |
| Wakeley, Thomas A., A. M., M. D., Rush Medi- | |

cal College, Physician in charge at Illinois Institution for Education of Blind; Member American Medical Association and other medical societies. Jacksonville.

12—*Wood, George G., B. S.

1864.

Atkinson, Rev. William H., A. B. Lake Park, Wash.

Brown, James A., A. M., Pres't Harrison Female College. Cynthiana, Ky.

Cutler, Rev. William A., A. B. Carlisle, Ind.

Dickinson, Rev. Ferdinand W., A. B. Candor, N. Y.

*Masters, William T., A. B.

McClung, Rev. John S., A. B. Wichita, Kan.

7—Parker, Martin V. B., A. B., Lawyer. Olathe, Kan.

1865.

Brenholt, John J., B. S., Lawyer. Alton.

Douglas, Rev. Truman O., A. B., D. D., Sup't Iowa Home Missionary Society. Grinnell, Iowa.

Hamilton, Eli B., A. B. Terre Haute, Ind.

King, Rev. David, B. S. Independence, Kan.

Metcalf, Hiram B., B. S.

6—Turner, Charles A., A. B., Farmer. Macon.

1866.

Bristow, Frank L., A. M., Director of Music in Public Schools; Musical Composer. Covington, Ky.

Carter, Joseph N., B. S., Justice of the Supreme Court of Illinois. Quincy.

Cassell, Martin H., A. B., M. D., Jefferson Medical College, Manager Miami Saw Mill Company. Ahwahnee, Cal.

Foster, William H., B. S., 2111 Vine St., Kansas City, Mo.

Green, Oliver S., B. S., Live Stock Commission. 409 East 41st St., Chicago.

*Masters, James D., B. S.

7—Taylor, Francis A., A. M. Apopka, Fla.

1867.

Brown, Benjamin W., A. B., Farmer. Berlin.

Campbell, Ernest L., A. B. 33 Miles Bldg., San Francisco, Cal.

Dunn, Edward, B. S. 4470 Evans Ave., St. Louis, Mo.

Govert, William H., B. S., LL. B., Univ. of Mich., Lawyer. Quincy.

Holmes, John M., A. M. St. Louis, Mo.

- *Jones, Frederick A., A. B.
 *Mason, Ebenezer, A. M.
 Morrison, John G., B. S., LL. B., Univ. of Michigan, Lawyer. Lincoln, Neb.
 9— Reynolds, Thomas, A. B. Jacksonville.
 1868.
- Barber, Edward A., A. B. Humboldt, Kan.
 Barber, George C., A. B. Humboldt, Kan.
 Beggs, Robert H., B. S., Teacher. 2427 Ogden St., Denver, Col.
 Elliott, Frank, A. M., Banker. Jacksonville.
 Fayerweather, William F., A. B.
 411 Brooklyn Ave., Kansas City, Mo.
 McCann, Franklin M., B. S., Lawyer. Quincy.
 Meek, Joseph A., A. B., M. D. 6351 Honore St., Chicago.
 Miller, George W., B. S., M. D., Missouri Medical College. Woodson.
 Moore, Ensley, B. S., Journalist; Trustee Illinois College. Jacksonville.
 Munroe, James E., B. S. 205 La Salle St., Chicago.
 Nichols, Samuel W., A. M., Sec'y Journal Co. Jacksonville.
 Paxson, Alfred A., A. M., LL. B., Washington University. Cor. 5th and Olive Sts., St. Louis, Mo.
 13—Williams, George W., B. S. Seneca, Kan.
 1869.
- Ayers, John A., A. M., Banker. Jacksonville.
 Bailey, George W., A. M., Real Estate and Mining Investment Broker.
 308 Boston Building, Denver, Col.
- *McClintock, John H., B. S.
 Robertson, John T., B. S., Banker, Virginia.
 Spears, John H., B. S., Lawyer. Chicago.
- 6— White, Robert, B. S., Lumber Merchant, and Ex-Judge County Court. Knox City, Mo.
 1870.
- Baker, Francis M., B. S. Atchison, Kan.
 Brown, Albert C., A. B., M. D., Bellevue Hospital Medical College. 4729 Langley Ave., Chicago.
 Grimes, John M., B. S., Lawyer.
 Metropolitan Block, Chicago.
 King, Joseph R. H., B. S. Wichita, Kan.
 King, Wm. M., A. B. Cor. 1st Ave. and 112th St., New York City.

Morrison, Rev. Theodore N., A. B., D. D.

260 Ashland Block, Chicago.

Stevens, John S., A. B., Lawyer.

Chicago.

Sturtevant, Alfred H., A. M.

Jacksonville.

— Turner, Howard A., A. B., Lawyer.

Minneapolis, Minn.

1871.

Brown, Charles G., B. S., M. D., Long Island

Medical College, Chief Surgeon S. F. &

N. Ry., Member American Med. Asso.

and other Medical Societies.

Spokane, Wash.

Bryson, Orpheus C., B. S., Lawyer

Louisiana, Mo.

Doocey, Edward, B. S., Lawyer, Ex-Judge County

Court, Member Illinois State Board of

Education.

Pittsfield.

*McDonald, Edward L., B. S., LL. B., Mich. Univ.

McDonald, Frederick A., A. M., U. S. Collector

of Customs.

Seattle, Wash.

Morrison, Thomas A., B. S., Horticulturist.

Riverside, Cal.

Russell, Robert D., A. M., Judge District Court

of Minnesota 4th District, Trustee Illi-

nois College.

1605 1st Ave. So., Minneapolis, Minn.

— Wing, Edgar D., A. M., M. D., Bellevue Medical

College, Medical Director Mutual Re-

serve Life Insurance Co.

New York, N. Y.

1872.

*Ellison, A. Josiah, B. S.

Kellogg, Franklin E., B. S.

Goleta, Cal.

Lippincott, Julian P., A. M., Lawyer.

Jacksonville.

Pomeroy, Samuel F., B. S., Furniture Dealer.

Edgar, Neb.

Simms, Julian R., A. M., M. D., Mo. Med. Coll.

Union Grove, Wis.

Stout, Jacob V. D., A. B., Book-seller.

Jacksonville.

— Wood, William D., A. M.

Jacksonville.

1873.

*Johnson, Rev. Wm. M., A. M., B. D., Boston Univ.

Kellogg, Florentine L., B. S., Lawyer.

Santa Barbara, Cal.

*McDonald, Francis I., B. S.

*Montgomery, Albon S., B. S.

Ross, George C., B. S., LL. B., Univ. of Mich.,

Lawyer.

Belmont, Cal.

Sanders, William B., A. M., LL. B., Albany Law

School, Lawyer.

846 Euclid Ave., Cleveland, Ohio.

- *Stewart, Henry C., A. B.
 Ward, James R., B. S., Lawyer. Chicago.
 9— Winterbottom, Rev. Joseph, A. B. Jacksonville.
 1874.
- *Brown, Frederick A., A. B.
 Brown, Sylvester S., B. S. Kansas City, Mo.
 Day, Henry P., A. M., Reporter, Sec. of Peoria
 Scientific Association. Peoria.
 Prince, Arthur E., Ph. D., M. D., Univ. of N. Y. Springfield.
 Rice, Albert C., B. S. Arnold.
 6— Root, Chauncey A., A. B. 1721 Humboldt St., Denver, Col.
 1875.
- Clapp, Edward B., A. M., Ph. D., Yale Univ ;
 Prof. of Greek Language and Liter-
 ature in University of California, Mem-
 ber American Philological Association, Berkeley, Cal.
 Rice, Walter S., B. S. Jacksonville.
 Rutledge, James O., B. S., Stationary Engineer. Butte, Mont.
- 4— Wing, Elbert, A. M., M. D., Chicago Medical
 College; Prof. of Nervous Diseases, N.
 W. Medical School, Neurologist to St.
 Louis Hospital, Member American
 Medical Association, American Acad-
 emy of Medicine and other Medical
 Societies, 55 33d St., Chicago.
 1876.
- Barnes, Charles A., A. M., Lawyer. Jacksonville.
 Block, Emanuel D., A. B., M. D., Black Jack, Mo.
 Connell, Joseph B., B. S., LL. B., University of
 Michigan; Prof. Therapeutics Kansas
 City Medical College, Prof. Clinical
 Medicine Woman's Medical College.
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- Dodsworth, William T., B. S., Farmer and Real
 Estate Dealer. Franklin.
 Dummer, Charles Henry, A. B., Lawyer.
 1406 Ashland Block, Chicago.
- Epler, Carl E., A. M., LL. B., Univ. of Michigan;
 Lawyer, County Judge. Quincy.
 Grout, Joseph M., A. M., Lawyer. Springfield.
 Kellogg, William R., B. S., Editor and Publisher. Jamestown, S. D.
 Morrison, William W., B. S., Farmer. Coin, Iowa.
- 10—*Turner, Frederic C., A. B.

1877.

Ayers, Edward A., A. M., M. D., Univ. City of New York, Professor Obstetrics New York Polyclinic Medical School, Visiting Physician to Mothers' and Babies' Hospital, N. Y.; Member Academy of Medicine, N. Y.; New York Pathological Society and other medical societies.

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Elliott, Henry, A. B., Architect. 3639 82d St., Chicago.

*Morrison, Wilbur A, B. S.

4— Todd, Rev. David E., A. B.

Cameron, Mo.

1878.

Connell, Charles Herbert, B. S.

Los Angeles, Cal.

Morrison, Rev. Charles R., A. M.

Griggsville.

Morse, Charles L., B. S.

Jacksonville.

Palmer, Everett B., A. B., Merchant.

Denver, Col.

Smith, Frank E, B. S.

Belvidere, Neb.

6— Wadsworth, Henry E., B. S., Hardware Merchant.

Jacksonville.

1879.

Antle, Thomas P., B. S., M. D.

Petersburg.

Curtiss, Charles F., A. B., Farmer.

Modesto.

Dennis, T. Fletcher, A. M., LL. M., Columbian Univ. Law School, Principal Examiner

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Downing, James M., B. S.

Aspen, Col.

Downing, John F., B. S., Pres't N. E. Safe Deposit and Trust Co. Bank.

New England Bld'g, Kansas City, Mo.

Hockenhull, Robert M., B. S., Banker.

Jacksonville.

Johnston, Harold W., A., M., Ph. D., Professor of Latin Indiana Univ., Trustee Illinois College.

Bloomington, Ind.

Moulton, Herbert A., B. S., M. D., Oculist; Special Examiner U. S. Pension Bureau; Member American Medical Asso.

Ft. Smith, Ark.

Nusbaum, Charles, B. S., LL. B., Univ. of Michigan.

Petersburg.

Rannells, Charles S., A. B., Railroad and Warehouse Commissioner; Trustee Illinois College.

Jacksonville.

- Rice, William P., B. S., Farmer. Virginia.
 Sanders, Charles S., A. B., Insurance and Brokerage. Jacksonville.
- 13—Sanders, J. Kent, B. S., A. B., M. D., Physician and Surgeon. 645 Prospect St., Cleveland, Ohio. 1880.
- Butler, Rev. Elmer W., A. B., B. D., Chicago Theological Seminary. Melbourne, Fla.
 Carter, William W., B. S., Farmer. Jacksonville.
- *Cherryholmes, Rev. James C., A. B.
 *Clapp, Elliott Lee, A. B.
- Collier, John, A. B., Merchant. Red Canon, Wyo.
 Crocker, George L., A. M., M. D., Physician. Springfield.
- Epler, Ernest G., A. B., M. D., Physician and Surgeon, Member Arkansas State Medical Society. Ft. Smith, Ark.
- Goodin, Hardin E., B. S. *418 E. 5th St.* Leadville, Col.
 Green, Edgar N., B. S. Denver, Col.
 Kaime, Edwin F., A. B. Denver, Col.
- Moseley, Theodore F., A. M., Teacher of the Deaf. Omaha, Neb.
- Shaw, Rev. William B., B. S., LL. B., Union College of Law; Clergyman. Arkansas City, Kan.
- Simons, Henry C., B. S., Lawyer. Virden.
- Thome, Arthur G., A. M., M. D. 239 Lincoln Ave., Chicago.
- Wait, George G., B. S., President Wait Investment Co. Lincoln, Neb.
- *Ware, Joseph E., B. S.
- Wing, Horace B., A. B., M. D. Los Angeles, Cal.
- 18—Yates, Richard, A. M., LL. B., Univ. of Mich.; County Judge, Trustee Illinois Coll. Jacksonville. 1881.
- *Beekman, William H., B. S.
- Brown, William B., A. B. Live Stock Dealer. Manzanola, Col.
- Bryan, William J., A. M., LL. B., Univ. of Chicago; Member of the 52d and 53d Congresses, Candidate for President of the United States in 1896, Lawyer. Lincoln, Neb.
- *Crampton, Edward H., A. B.
- Donahue, Jeremiah, B. S., LL. B., University of Michigan; Lawyer. Decatur.
- Drennan, John B., A. B., LL. B., University of Michigan; Editor Decatur Review. Decatur.

- Eveland, Rev. Samuel, B. S.
 Fisher, Walter E., B. S., M. D.
 Hulett, Granville A., A. B., M. D.,
 *Kinnett, Oscar F., B. S.
 McKinney, Rev. Samuel J., A. B.
 *Morris, John B., A. B.
 Rutledge, Charles G., B. S.
 Stewart, Francis W., Real Estate Dealer.
 15—Wadsworth, Rev. Julian S., B. S.
- Ainsworth, Neb.
 Washington, D. C.
 Springfield.
 Jacksonville.
 Jacksonville.
 Princeton.
 South Manchester, Conn.

1882.

- Babb, James E., B. S., LL. B., N. W. University;
 Formerly Instructor Law Department
 N. W. University, Lawyer.
 Bowers, William R., B. S.
 Cones, Woods, B. S., Banker.
 Hess, Jacob D., A. M., Lawyer; Attorney for
 P. C. & L. R. R.
 *Keeney, James F., B. S.
 Munroe, William, B. S., Lumberman.
 Schermerhorn, Charles B., B. S.
- Lewiston, Idaho.
 Springfield.
 Pierce, Neb.
 Pittsfield.
 Muskegon, Mich.
 Jacksonville.

8—*Small, Amos W., B. S.

1883.

- Adcock, Houston C., A. B., Lawyer.
 8 Borden Block, Chicago.
 *Birch, Frank L., A. M.
 Black, Carl E., B. S., M. D., Chicago Med. Coll.
 Browning, Quincy E., B. S.
 Chicago Beach Hotel, Chicago.
 Clark, Edward E., B. S., Teacher.
 *Hackman, Albert W., B. S.
 Holmes, Eugene D., A. M., Instructor in Eng-
 lish Adelbert College.
 McKinnell, Frederick, B. S.
 Mevey, William E., B. S., M. D., Editor Kansas
 City Medical Journal; Professor Dis-
 eases of Nose, Throat and Chest in
 Kansas Medical College, Member of
 American Medical Society and other
 Medical Societies.
 Slater, William H., B. S., Grain Merchant.
 11—Welles, Charles H., A. B., Farmer.
- Mt. Sterling.
 Cleveland, Ohio.
 Beardstown.
 Topeka, Kan.
 P. O. Box 430 Kansas City, Mo.
 Divernon.

1884.

Brown, Bedford, A. M., LL. B., Columbia Univ.

Law School; Editor with West Pub. Co. St. Paul, Minn.

*Dikis, Hugh F., B. S.

Dunaway, Allen G., B. S., M. D.

Virginia.

Gardner, William, A. M., Judge Circuit Court. Rapid City, S. Dak.

Hand, William H., B. S., M. D.

Whitehall.

Irving, Edward P., B. S., Sec. and Treasurer of

Faries Mfg. Co.

Decatur.

Lacey, Lyman, Jr., B. S.

Havana.

McLaughlin, William K., A. M., M. D., Physical

Examiner Illinois College.

Jacksonville.

*Price, George W., B. S.

*Stevens, Arthur L., A. B.

11—*Stevenson, Frank M., B. S.

1885.

Atkins, Herbert F., A. B.

City of Mexico, Mex.

*Beggs, John T., B. S.

Bond, Sterling P., B. S., Lawyer.

3518 Lindell Ave., St. Louis. Mo.

Burrus, George M., B. S.

Jacksonville.

Capps, Alfred T., A. B.

Jacksonville.

Carriel, Harry B., B. S., M. D., Physician Central Hospital for Insane.

Jacksonville.

Carter, Truman P., A. B., B. S., A. M., Professor

Natural Science Illinois College.

Jacksonville.

Dalby, James W., B. S., M. D., College Physicians

and Surgeons N. Y.; Prof. Ophthalmol-

ogy and Otology Iowa State University,

Member Iowa State Medical Society

and other Medical Societies.

Cedar Rapids, Ia.

Davenport, Ira W., A. B., Instructor English

and Manual Training High School.

Louisville, Ky.

Humphrey, Wm. D., A. B., M. D., Chicago Medi-

cal College.

Virginia.

Rice, John C., A. B., LL. B., Cornell University.

Caldwell, Idaho.

12—Rockwell, George D., A. B.

Chicago.

1886.

Baldwin, Charles O., A. B., Lawyer.

Duluth, Minn.

Fallis, Montana S., B. S., Architect.

Denver, Col.

Galbraith, Rush D., A. B., Stenographer.

Denver, Col.

*Irving, Francis M., B. S.

- Lewis, William N., B. S. 2912 Williams St., Denver, Col.
 Nesbit, Thomas W., B. S. Virginia.
 Rider, Rev. Arthur W., A. B. Los Angeles, Cal.
 *Smith, Elisha B., B. S.
 Strawn, Ferdinand L., B. S. Jacksonville.
 10—Wall, Willard G., B. S. Murphysboro.
 1887.
- Capps, Edward, A. B., Ph. D., Yale University,
 Professor Greek Univ. of Chicago. Chhicago.
 Coultas, Rufus J., B. S., M. D. Mattoon.
 Dunavan, Lewis W., B. S., M. D., Member Chi-
 cago Medical Society. 4259 State St., Chicago.
 Hall, John R., B. S. Detroit, Mich.
 Smith, Rev. Thos. W. 471 West 145th St., New York City.
 Wilson, Hugh M., B. S., Journalist.
 1660 Monadnock Bld'g, Chicago.
 7—Whitely, Robert H. K., B. S. Detroit, Mich.
 1888.
- Catlin, Donald C., A. B., Lawyer. 910 Calumet Bld'g, Chicago.
 Cochrane, Robert L., B. S., Merchant. West Duluth, Minn.
 Cross, Albert M., A. B. Chicago.
 Day, Alfred E., A. B., Prof. Beirut College. Beirut, Syria.
 Frackelton, Robert J., B. S. 77 Tilden Ave., Cleveland, O.
 Harker, Rev. Joseph, A. M., Ph. D., Pres't Illi-
 nois Female College, Formerly Prin-
 cipal Whipple Academy and Professor
 Pedagogy Illinois College. Jacksonville.
 Kehoe, John E., B. S., Lawyer. 423 Ashland Blk, Chicago.
 McElfresh, William E., A. B., Student.
 17 Hollis Hall, Cambridge, Mass.
 Merrill, George L., B. S., Lawyer. Jacksonville.
 Read, Frank, Jr., A. B., Teacher and Editor. Jacksonville.
 *Richardson, Thomas D., B. S.
 Russel, Rev. James G., A. B. Derby, Ia.
 Tanner, Rev. Allan A., A. M., Pastor First Con-
 gregational Church, Pueblo, Col.
 Watkins, George B., B. S., Lawyer. Petersburg.
 15—Wilson, George H., A. M., Lawyer, State's Attor-
 ney for Adams County. Quincy.
 1889.
- *Beadles, Walter S., A. B.
 Brown, George R., Grain Dealer and Banker. Divernon.

-
- Craig, Andrew M., B. S. 770 Wabash St., St. Paul, Minn.
 Drury, Frank E. Orleans.
 Filson, William N., B. S., A. B., Vice Pres't and
 Professor of Latin Hastings College. Hastings, Neb.
 Rowe, Charles A., A. B., Farmer. Jacksonville.
 Sanders, Clarence E., A. B., Lawyer.
 608 Prospect St., Cleveland, Ohio.
 Smith, James D., B. S. New Berlin.
 Triplett, Norman, A. B., A. M., Teacher of
 Science, High School. Quincy.
 Walker, John A., A. B., M. D. Jacksonville.
 11—Woods, Raymond, B. S., R. R. Postal Clerk.
 710 Cedar St., St. Paul, Minn.
 1890.
 Baldwin, Albert, A. B., Lawyer. Duluth, Minn.
 Blackburn, Charles E., B. S. Jacksonville.
 Capps, Henry M., A. B., Manufacturer. Jacksonville.
 Cohenour, Elmer L., B. S., Justice of the Peace. Fairbury, Neb.
 DeSilva, Joseph, Jr., A. B., M. D. Rock Island.
 Morton, Edward P., A. B., A. M., Howard Univ.,
 Inst. English Indiana University. Bloomington, Ind.
 Rawlings, Isaac D., B. S., M. D., M. S., Lecturer
 on Bacteriology N.-W. Univ. Medical
 School and School of Pharmacy, Direc-
 tor of Bacteriological Laboratory
 N.-W. Univ. Med. Coll. 3360 State St., Chicago.
 Sanford, Frederick A., B. S., A. B., Inst. Latin
 Illinois College. Jacksonville.
 9—Skinner, Lucius D., B. S., Bank Clerk. DuQuoin.
 1891.
 Boston, William E., B. S. Prentice.
 Capps, Joseph A., A. B., M. D., Harvard Univ.,
 House Physician Massachusetts Gen-
 eral Hospital. Boston.
 Conover, William B., B. S. Virginia.
 Curtiss, Theodore T., A. B., Farmer. Waverly.
 Hess, Luther C., A. B., Lawyer. Pittsfield.
 Keplinger, Maurice B., B. S., Banker. Franklin.
 Lenington, Robert F., A. B., Missionary. Guarapauva, Brazil
 Mathews, Benjamin C., B. S., Loan Broker.
 370 E. 16th St., Portland, Ore.
 Miller, James W., B. S. Jacksonville.

-
- Pike, Edward S., B. S., Editor. Chenoa.
 Putnam, Edward K., A. B., Journalist. Chicago.
 Stewart, Samuel B., B. S., City Editor Courier. Jacksonville.
 Stoddard, Bertel M., B. S., Grain Dealer. Toluca.
 Williams, A. Clay, B. S., Lawyer, State's Attorney for Pike County. Pittsfield.
 15—Wills, John R., B. S., Contractor. Peoria.
 1892.
 Bartlett, Aurelius W., A. B., M. D. Virden.
 Black, Arthur D., B. S., Bicycle Dealer. 184 Madison St., Chicago.
 Carter, Herbert H., A. B., M. D., Druggist. Jacksonville.
 Craig, D. Willard, B. S., M. D., N-W. Univ., House Physician German Hospital of Chicago. 754 Larrabee St., Chicago.
 Epler, Rev. Percy H., A. B. 799 Broadway, South Boston, Mass.
 Gillett, Philip F., A. B., M. D. Jacksonville.
 Kirby, Clement R., A. B., Stenographer. Jacksonville.
 Lenington, George C., A. B., Student McCormick Theological Seminary. Chicago.
 Loving, Arthur S., B. S., Law Student Cornell University. Ithaca, N. Y.
 10—Robinson, William D., A. B., Lawyer, Ex-Member State Legislature. Lincoln, Neb.
 1893.
 Beggs, Rev. Samuel W., A. B. New Berlin.
 Martin, Murrey K., A. B., Prof. Latin South-West Kansas College. Winfield, Kan.
 Read, Utten E., A. B., A. M., Normal Fellow Gallaudet College for the Deaf. Kendall Green, Washington, D. C.
 4—Stevenson, William H., A. B. Jacksonville.
 1894.
 Baldwin, Edward G., A. B., Student Yale Univ., New Haven, Conn.
 Barber, John A., Ph. B., Law Student Northwestern University. Chicago.
 Brown, Fred S., A. B. Divernon.
 Frackelton, David W., Ph. B., Ass't Cashier with D. S. Frackelton & Co., Bankers. Petersburg.
 Putnam, James W., B. S., Inst. in History Illinois College. Jacksonville.
 6—Wemple, Charles F., B. S., Student Harvard Law School. Cambridge, Mass.
 1895.
 Buckthorpe, Thomas H., Ph. B., Student N. W. Univ. Law School. Chicago.

- Doane, Levi S., B. S., Teacher Brown's Business College. Jacksonville.
- Duer, James M., B. S., Student Bible Training School. Chicago.
- Garrett, Willard H., B. S., Inst. Whipple Acad. Jacksonville.
- Govert, George W., A. B., also A. B., Yale, Law Student. Quincy.
- Nash, Eo B., A. B., Theological Student. Chauncey Square, New York City.
- Ransdell, William L., Ph. B. Jacksonville.
- Simons, Thomas J., A. B., Theological Student. Princeton, N. J.
- 9—Walton, Joseph W., A. B., City Editor Journal. Jacksonville.
- 1896.
- Asplund, Rupert F., A. B., Teacher. Little Indian.
- Bancroft, Horace H., A. B., Law Student. Jacksonville.
- Baxter, George E., Ph. B., Student Chicago Medical College. Chicago.
- Clifford, James E., Ph. B., Principal High School Institution for Blind. Jacksonville.
- De Mary, Albin C., Ph. B., Reporter. Boise City, Idaho.
- Fairbank, Arthur B., Ph. B., with Producers' Fruit Co. Sacramento, Cal.
- Kuechler, Henry N., B. S., with Journal Co. Jacksonville.
- Moore, Homer F., A. B., Student Hahnemann Medical College. Philadelphia, Pa.
- Rourke, Cornelius B., B. S., Law Student. 423 Ashland Block, Chicago.
- 10—Scott, Harry F., A. B., Teacher. 3715 Langley Ave., Chicago.

CANDIDATES FOR GRADUATION, 1897.

- Baxter, Samuel W., Ph. B. Jacksonville.
- Bradley, John A., A. B. Lee, Mass.
- Cartlich, Will G., B. S. Creston, Ia.
- Fairbank, Frederick J., A. B. Jacksonville.
- Fell, Ora T., B. S. Jacksonville.
- Harris, Neville E., Ph. B. Jacksonville.
- Kirby, Harry N., Ph. B. Jacksonville.
- Masters, Leonard L., B. S. Jacksonville.
- McBratney, Emmett W., Ph. B. Griggsville.
- Mellvaine, Brown E., B. S. Tuscola.
- Milligan, Laurance E., A. B., Jacksonville.
- Read, Elmer D., A. B. Jacksonville.
- 13—Vogel, Earl, B. S. Jacksonville.

HONORARY DEGREES.

1835.

- *Benjamin Shurtleff, A. M., Brown University, M. D.
Nathaniel Bradstreet Shurtleff, A. M., Harvard and Brown Univ., M. D.

1839.

- *Horace Spalding, A. M.

1845.

- J. N. Ralston, M. D.
J. B. Samuel, M. D.
Horace Ackley, M. D.

1846.

- M. H. L. Schooley, M. D.

1847.

- *Gershom Jayne, M. D.
John Loomis, A. B., Hamilton College, A. M.

1853.

- James J. Delamater, M. D., N. Y.
New York Med. Col. A. M.

1859.

- N. A. Prentice, A. B., Amherst College, A. M.

1864.

- Enoch Mellor, A. M., D. D.
John W. Dryden, A. B., St. Paul College, Mo., A. M.
William D. Perrin, A. B., St. Paul College, Mo., A. M.
James M. McMasters, A. B., St. Paul College, Mo., A. M.
Joseph Anderson, A. B., St. Paul College, Mo., A. M.

1866.

- William Smythe, Prof. in Bowdoin College, LL. D.
Robert Allen, A. M.
*William Dod, A. M., LL. D.

1867.

- Josiah Wood, Prin. Du Quoin Female Seminary, A. M.
*William M. Baker, A. M.
John D. Parker, Prof. in Lincoln College, Kan., Ph. D.

1869.

- Andrew McFarland, M. D., LL. D.

1872.

- *Samuel L. Whipple, M. D., A. M.

1873.

- Horatio Q. Butterfield, Pres. Olivet College, D. D.
Thomas Aiton, M. D.

1877.

- *Nehemiah Wright, M. D., A. M.
*Mason Grosvenor, A. M., Yale, D. D.
Martin K. Whittlesey, A. M., Yale, D. D.

1880.

- Alvah C. Clayton, A. M.
William H. Wilcox, A. M.

1881.

- Charles M. Fenn, M. D., A. M.

1882.

- Frank P. Woodbury, D. D.
Rufus Nutting, A. M., D. D.
*Rufus C. Crampton, A. M., LL. D.

1883.

Charles L. Woodworth, D. D.
Theodore T. Munger, D. D.
Edward F. Williams, D. D.
J. Morris Cross, D. D.

1885.

Clement L. Clapp, A. M.
Thomas C. McMillan, A. M.

1886.

Rev. Alfred N. Gilbert, A. M.
Dr. Alfred C. Colton, A. M.
Lieut. Nathan H. Barnes, Ph. D.

1888.

Rev. R. O. Post, D. D.
Rev. S. H. Dana, D. D.
Rev. James Tompkins, D. D.
Rev. G. C. Adams, D. D.

1889.

Major J. W. Powell, LL. D.

1890.

Rev. Theodore P. Pruden, D. D.
Rev. Nathan L. Whittlesey, D. D.
Hon. William M. Springer, LL. D.

1894.

Charles F. Thwing, Pres. Western
Reserve Univ., LL. D.
William Henry Milburn, D. D.
Joseph N. Carter, LL. D.

1895.

John B. Fairbank, D. D.
Theodore N. Morrison, D. D.
A. L. E. Crouter, LL. D.

1896.

Samuel B. Moore, D. D.
Alex. Graham Bell, LL. D.
James W. Strong, Pres. Carleton
College, LL. D.

MEDICAL GRADUATES.

1845.

*Augustus F. Hand, M. D.
 *Daniel Pierson, M. D.
 N. M. Hunt, M. D.
 *G. Y. Shirley, M. D.
 Charles Terrell, M. D.

—5

1846.

*Peter R. Boice, M. D.
 *James Budden, M. D.
 Warren H. Chapman, M. D.
 *C. C. Emerick, M. D.
 N. B. Hooker, M. D.
 A. B. Ireland, M. D.
 H. K. Jones, M. D.
 Henry Owsley, M. D.
 J. F. Rice, M. D.
 Clark Roberts, M. D.
 Jerome B. Tenney, M. D.
 Russell B. Tripp, M. D.
 Henry Wing, M. D.

—13

1847.

James M. Buck, M. D.
 Frederick R. Gallaher, M. D.
 E. P. January, M. D.
 John S. King, M. D.
 David H. McCord, M. D.
 Abraham Miller, M. D.
 George M. Scott, M. D.
 Mahlon, P. Turner, M. D.
 *Hamlin Welch, M. D.
 James S. Whitmire, M. D.
 *J. H. Kibbe, M. D.

—11

1848.

Peter L. Bostick, M. D.
 Isaac V. Goltra, M. D.
 Richard Hains, M. D.
 Nathaniel Jayne, M. D.
 *Henry C. Long, M. D.
 James McCord, M. D.
 John N. McCord, M. D.
 Samuel H. Willard, M. D.

—8

SUMMARY.

Number of Alumni.....	549
Number of Medical Graduates.....	37
Number Receiving Honorary Degrees.....	61
Whole number upon whom degrees have been conferred...	647

ALPHABETICAL LIST OF ALUMNI.

1835-1897.

- | | | |
|--------------------|----------------------|----------------------|
| 60 Adams, F. | 81 Beekman, W. H. | 45 Catlin, W. E. |
| 83 Adcock, H. C. | 85 Beggs, J. T. | 89 Brown, R. R. |
| 79 Antle, T. P. | 68 Beggs, R. H. | 64 Brown, J. A. |
| 58 Ardery, H. W. | 93 Beggs, S. W. | 61 Brown, J. W. |
| 96 Asplund, R. F. | 56 Bergen, A. S. | 74 Brown, S. S. |
| 35 Atkins, H. F. | 62 Bergen, G. S. | 81 Brown, W. B. |
| 64 Atkinson, W. H. | 61 Berry, M. | 83 Browning, Q. E. |
| 47 Ayers, A. E. | 83 Birch, F. L. | 81 Bryan, W. J. |
| 77 Ayers, E. A. | 54 Bishop, R. H. | 71 Bryson, O. C. |
| 69 Ayers, J. A. | 47 Bishop, W. | 95 Buckthorpe, T. H. |
| 58 Ayers, J. C. | 92 Black, A. D. | 60 Bulkley, R. H. |
| 43 Ayers, M. P. | 83 Black, C. E. | 85 Burrus, G. M. |
| | 90 Blackburn, C. E. | 38 Burritt, W. H. |
| 82 Babb, J. E. | 45 Blatchford, E. W. | 55 Burt, J. S. |
| 69 Bailey, G. W. | 76 Block, E. D. | 80 Butler, E. W. |
| 43 Baker, E. S. | 53 Blodgett, J. H. | |
| 70 Baker, F. M. | 37 Blood, C. E. | 59 Callon, W. P. |
| 90 Baldwin, A. B. | 85 Bond, S. P. | 67 Campbell, E. L. |
| 86 Baldwin, C. O. | 60 Booth, T. | 85 Capps, A. T. |
| 94 Baldwin, E. G. | 91 Boston, W. E. | 87 Capps, E. |
| 46 Baldwin, F. E. | 82 Bowers, W. R. | 90 Capps, H. |
| 60 Ballard, J. A. | 97 Bradley, J. A. | 91 Capps, J. A. |
| 96 Bancroft, H. H. | 42 Bradley, W. P. | 57 Capps, S. R. |
| 68 Barber, E. A. | 57 Branson, N. W. | 62 Capps, W. E. |
| 68 Barber, G. C. | 65 Brenholt, J. J. | 38 Carlin, W. H. |
| 94 Barber, J. A. | 59 Bristow, E. H. | 85 Carriel, H. B. |
| 92 Barlett, A. W. | 66 Bristow, F. L. | 92 Carter, H. H. |
| 76 Barnes, C. A. | 70 Brown, A. C. | 66 Carter, J. N. |
| 36 Barton, C. B. | 84 Brown, B. | 85 Carter, T. P. |
| 43 Bateman, N. | 67 Brown, B. W. | 45 Carter, W. C. |
| 56 Bates, R. | 71 Brown, C. G. | 80 Carter, W. W. |
| 96 Baxter, G. E. | 60 Brown, C. S. | 97 Cartlich, W. G. |
| 97 Baxter, S. W. | 55 Brown, D. J. | 61 Cassell, H. O. |
| 89 Beadles, W. S. | 74 Brown, F. A. | 66 Cassell, M. H. |
| 43 Beecher, T. K. | 94 Brown, F. S. | 88 Catlin, D. C. |

-
- | | | |
|------------------------|-----------------------|------------------------|
| 52 Chambers, R. | 54 Denny, A. N. | 58 Epler, J. M. |
| 39 Chandler, J. | 96 DeMary, A. C. | 61 Epler, M. L. |
| 41 Chapman, J. H. | 90 DeSilva, J. | 92 Epler, P. H. |
| 80 Cherryholmes, J. C. | 64 Dickenson, F. W. | 58 Epler, W. F. |
| 75 Clapp, E. B. | 84 Dikis, H. F. | 42 Estabrook, A. W. |
| 80 Clapp, E. L. | 36 Dixon, A. M. | 59 Estabrook, H. N. |
| 83 Clark, E. E. | 52 Dixon, J. J. A. T. | 81 Eveland, S. |
| 47 Clark, J. G. | 76 Dodsworth, W. T. | |
| 96 Clifford, J. E. | 49 Doane, E. J. | 42 Fagg, T. J. C. |
| 88 Cochrane, R. L. | 95 Doane, L. S. | 96 Fairbank, A. B. |
| 41 Coffin, W. | 81 Donahue, J. | 97 Fairbank, F. J. |
| 90 Cohenour, E. L. | 71 Doocey, E. | 57 Fairbank, J. B. |
| 80 Collier, J. | 65 Douglas, T. O. | 42 Fairbank, S. B. |
| 45 Collins, H. T. | 79 Downing, J. F. | 86 Fallis, M. S. |
| 50 Collins, W. H. | 79 Downing, J. M. | 68 Fayerweather, W. F. |
| 58 Comer, S. C. | 58 Draper, D. M. | 97 Fell, O. T. |
| 82 Cones, W. | 81 Drennan, J. P. | 58 Ferguson, W. C. |
| 78 Connell, C. H. | 89 Drury, F. E. | 89 Filson, W. N. |
| 76 Connell, J. B. | 95 Duer, J. M. | 55 Finley, W. H. |
| 91 Conover, W. B. | 76 Dummer, C. H. | 53 Fisk, E. C. |
| 87 Coultas, R. J. | 87 Dunnavan, L. W. | 81 Fisher, W. E. |
| 89 Craig, A. M. | 84 Dunaway, A. G. | 66 Foster, W. H. |
| 48 Craig, D. | 51 Dunham, C. | 94 Frackelton, D. W. |
| 92 Craig, D. W. | 41 Dunham, L. | 88 Frackelton, R. J. |
| 61 Craig, J. W. | 67 Dunn, E. | 61 Fry, J. D. |
| 81 Crampton, E. H. | | |
| 48 Crawford, L. P. | 59 Eaman, J. M. | 86 Galbraith, R. D. |
| 49 Crawford, P. W. | 60 Edgar, W. H. | 62 Gallaher, W. G. |
| 80 Crocker, G. L. | 68 Elliott, F. | 84 Gardner, W. |
| 88 Cross, A. M. | 77 Elliott, H. | 62 Garlick, J. P. |
| 79 Curtiss, C. F. | 72 Ellison, A. J. | 95 Garrett, W. H. |
| 39 Curtiss, G. C. | 49 Engelbach, H. | 59 Gaty, S. T. |
| 91 Curtiss, T. T. | 61 English, G. A. | 56 Geyer, E. T. |
| 38 Curtiss, W. S. | 57 English, G. H. | 57 Gibbs, W. H. |
| 64 Cutler, W. A. | 48 English, J. W. | 47 Giddings, F. S. |
| | 51 English, J. W. | 59 Gill, W. |
| 85 Dalbey, J. M. | 60 English, W. L. | 92 Gillett, P. F. |
| 85 Davenport, I. W. | 56 Eno, F. V. | 51 Gladney, C. |
| 88 Day, A. E. | 59 Eno, E. B. | 80 Goodin, H. E. |
| 74 Day, H. P. | 47 Epler, C. | 54 Gore, J. |
| 59 Dayton, E. | 76 Epler, C. E. | 39 Goudy, C. |
| 70 Dennis, T. F. | 80 Epler, E. G. | 39 Goudy, R. |

45 Goudy, W. C.	47 Jayne, W.	72 Lippincott, J. P.
95 Govert, G. W.	73 Johnson, W. M.	61 Littell, S. B.
67 Govert, W. H.	79 Johnston, H. W.	92 Loving, A. S.
39 Graves, J. S.	54 Jones, C. G.	42 Lowe, J. D.
80 Green, E. N.	45 Jones, E. S.	42 Lyman, A. S.
66 Green, O. S.	67 Jones, F. A.	45 Lyons, H. M.
70 Grimes, J. M.	44 Jones, H. K.	
76 Grout, J. M.	40 Jones, W.	54 Marsh, H. L.
	59 Jones, W. W.	93 Martin, M. K.
83 Hackman, A. N.		67 Mason, E. A.
61 Halbert, R. A.	80 Kaime, E. F.	66 Masters, J. D.
38 Hall, E. E.	88 Kehoe, J. E.	97 Masters, L. L.
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CALENDAR.

1897.

April 27—Freshman Exhibition.....	Tuesday
June 4—Junior Exhibition.....	Friday
June 6—Baccalaureate Sermon.....	Sunday
June 6—Y. M. C. A. Anniversary.....	Sunday
June 7—Whipple Anniversary.....	Monday
June 7—Dedication of the Jones Memorial Building.....	Monday
June 8—Osage Orange Day	Tuesday
June 8—President's Reception to Undergraduates.....	Tuesday
June 8—Class Reunions.....	Tuesday
June 9—Meeting of Trustees	Wednesday
June 9—Class Day.....	Wednesday
June 9—Glee Club Concert.....	Wednesday
June 10—Commencement	Thursday
June 10—Commencement Dinner	Thursday
June 10—Commencement Reception.....	Thursday

SUMMER VACATION.

Sept. 13-14—Entrance Examinations.....	Monday and Tuesday
Sept. 13—Registration Day.....	Monday
Sept. 14—First Term Begins	Tuesday
Nov. 25-28—Thanksgiving Recess.	Thursday-Sunday
Dec. 24—First Term Ends.....	Friday

WINTER VACATION.

1898.

Jan. 3—Registration Day.....	Monday
Jan. 4—Second Term Begins.....	Tuesday
Jan. 27—Day of Prayer for Colleges.....	Thursday
Feb. 18—Phi Alpha Open Meeting.....	Friday
Mch. 15—Gymnasium Contest.....	Tuesday
Mch. 21—Second Term Ends.....	Monday
Mch. 22—Third Term Begins.....	Tuesday
Mch. 22—Whipple Declamations.....	Tuesday
April 26—Freshman Exhibition.....	Tuesday
April 29—Sigma Pi Open Meeting.....	Friday
June 5—Baccalaureate Sermon.....	Sunday
June 9—Commencement.....	Thursday

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President and Professor of Mental and Moral Science.

A. B., Williams College, 1865; A. M., 1868; Ph. D., University of New York, 1879; LL. D., Williams College, 1893; Principal High School, Pittsfield, Mass., 1865-68; Principal High School, Albany, N. Y., 1868-86; Commissioner State of New York to Paris Exposition, 1878; Superintendent of City Schools, Minneapolis, 1886-92; Member of National Council of Education from 1889; President of Illinois College from 1892.

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Professor of Philosophy.

A. B., Illinois College, 1844; A. M., 1847; M. D., 1846; LL. D., 1878; Founder Concord School of Philosophy, 1879; Lecturer on Greek Philosophy in same, 1879-89; President American Akademie, 1878; Professor of Philosophy in Illinois College from 1886.

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A. B., Williams College, 1853; A. M., 1856; M. D., University of Pennsylvania, 1862; Instructor State Institution for Deaf Mutes, Pennsylvania, 1856-65; Principal of same in Wisconsin, 1865-69; Instructor in same in Illinois, 1869-82; Professor of History and English Literature in Illinois College from 1882.

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B. S., Purdue University, 1889; M. S., 1890; D. Sc., 1893; Member of American Mathematical Society, and Fellow of American Association for the Advancement of Science; Professor of Mathematics, Central University, Iowa, 1890; Instructor in Mathematics and Physics, Illinois College, 1890-91; Professor of Mathematics and Astronomy from 1891.

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A. B., Knox College, 1877; A. M., 1880; B. D., Yale University, 1883; Instructor in Latin and Greek, Knox College, 1878-80, and 1885-87; Principal Emerson Institute, Mobile, 1883-85; Professor of Latin, Blackburn University, 1887-91; Studied in Germany, 1891; Professor of Greek and German in Illinois College from 1891.

JACOB A. ZELLER, A. M. 327 Lockwood Pl.

Professor of Pedagogy and Principal of Whipple Academy.

A. B., Miami University, 1856; A. M., 1860; B. L., Cincinnati Law School, 1860; Principal High School, Evansville, Ind., 1870-81; Superintendent of Schools, Richmond, Ind., 1881-84; Principal High School, Lafayette, Ind., 1885-94; Professor of Pedagogy in Illinois College from 1894.

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M. D., Long Island College Hospital, 1888; Resident Physician Pennsylvania Institution for Feeble Minded Children, 1888; Assistant Physician Illinois Central Hospital for the Insane, 1888-93; Lecturer on Nervous and Mental Diseases, Keokuk Medical College, 1893; Professor of Nervous and Mental Diseases, St. Louis College of Physicians and Surgeons, from 1894; Lecturer on Cranio-Cerebral Anatomy and Surgery in Woman's Medical College, St. Louis, 1894; Associate Editor of the Medical Fortnightly of St. Louis; Lecturer on Psycho-Physics in Illinois College from 1894.

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B. S., Illinois College, 1894; Ph. B., 1897; Student in Chicago University, 1895.

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B. S., Illinois College, 1895.

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A. B., Illinois College, 1884; A. M., 1887; M. D., Northwestern University
Medical College, 1890; Physical Examiner in Illinois College from
1893.

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ILLINOIS COLLEGE.

GENERAL INFORMATION.

HISTORY AND PURPOSE.

The establishment of Illinois College is intimately related to the first settlement of the state. No chapter in American history is more inspiring than that which records the scenes and incidents connected with the formation of the famous Yale Band of 1829. Settlements in the Upper Mississippi valley were then small and widely scattered. But the young men composing this Band, then students of Yale College, looked forward to the development of the great west, and calmly planned for a national destiny of which few had then conceived. They resolved that the millions so soon to people the prairies and the forests of this vast expanse should find that the institutions of education and Christianity had preceded them. They resolved to lead in this work by devoting themselves to it.

In the autumn of 1827, Theron Baldwin, then a student in Yale College, read a fervid essay in the Yale Society "of Inquiry on the Call of the West. His young associates were deeply stirred by his appeal, and on their homeward walk they paused beneath the

elms, and under the solemn majesty of that starlight night they devoted themselves to the work which the essay had proposed. A compact was prepared and signed, in which these young men pledged themselves to the work of education and Christianity in the then wild and distant state of Illinois. The signers of this compact were Mason Grosvenor, Theron Baldwin, Julian M. Sturtevant, William Kirby, Asa Turner, John F. Brooks and Elisha Jenney. Under the pledges of this compact, these young men immediately began to make plans for the founding of a Christian college.

Meantime, pioneers of the settlement of the state had begun to realize the great opportunity which was presented, and they, too, resolved that this fruitful land should be pre-empted for freedom and learning and righteousness—rescued from slavery and the thriftlessness and disorder which threatened. A movement was inaugurated under the lead of Rev. John M. Ellis, a home missionary, for the establishment of a Christian school, to which Gov. Joseph Duncan and Judge Samuel D. Lockwood gave hearty support. Through the agency of the American Home Missionary Society these two movements were brought together and many new friends gained to the enterprise, east and west.

In December, 1829, the school was opened in what is now the south wing of Beecher Hall, with Julian M. Sturtevant as the sole teacher. For fifty-six years he was connected with the institution as teacher, professor or president. The first class was graduated in 1835, and consisted of Richard Yates, afterwards the great war governor of Illinois, and Jonathan

Spilman. In 1831 Rev. Edward Beecher resigned the pastorate of Park Street Church, Boston, to accept the presidency of the growing institution. Few colleges have graduated so many distinguished alumni.

Illinois College was the most potent factor in determining the early history of the state. The wide publicity given to its establishment by the American Home Missionary Society and other agencies induced tens of thousands of the most desirable settlers to emigrate from their eastern homes to the fertile prairies of Illinois. Enterprise and capital followed the Christian college. The founders of the college were, in fact, the authors of the whole educational system of the state, and during the early years of its history one or two of its professors were constantly traveling throughout the state, stimulating the establishment of voluntary schools and forming public sentiment in favor of a system of public education. Throughout its history it has steadfastly adhered to its original purpose to promote the interests of education and Christianity throughout the region of which it is the intellectual center.

Illinois College, then, is the oldest college in the state. It represents the best educational standards and traditions of the parent institution, Yale College. In the quality of its work it ranks with the best institutions in the country. Students pass, without conditions, from its classes to the same rank in the largest colleges at the east.

With the wisdom of age is combined the vigor of youth. The institution reverently adheres to whatever is best in the old and fearlessly adopts that

which is good in the new education. It deems that training best which yields strong and self-reliant manhood. It educates for power, and adopts those methods of work which seem best calculated to produce clearness of intellect, vigor of expression, refinement of taste and Christian character.

The College seeks to provide wholesome conditions of growth. Its discipline is broad, but just and efficient. Within proper limits the greatest freedom and independence on the part of the students is encouraged as part of a well rounded education; beyond these limits conformity to the regulations of the College is expected and enforced. A systematic education is believed to include the physical, intellectual, moral and religious development of each student, and careful provision is made for each of these departments of training.

ORGANIZATION AND WORK.

By the charter of Illinois College the general government and administration of the Institution are vested in its Board of Trustees. The immediate direction of its work is vested in the Faculty; who are empowered to determine the requirements for admission to the college, the standard of attainment in the several classes, the subjects and methods of study, and to make such rules, subject to the judgment of the Trustees, as may be deemed best for the guidance of the institution and the advancement of its work.

It is the aim of Illinois College to extend to young men the benefits of a liberal education of a most ad-

vanced standard. It encourages broad and thorough study, and offers every incentive to faithful work and high attainment. Its courses of instruction are arranged to give the best possible preparation alike for professional study and for active life. It seeks to meet the increasing demand for men of disciplined intellect, trained power and upright character in business enterprises. It trains its graduates for engineering, journalism and teaching; and while it thus affords special lines of study and investigation to meet the aims and necessities of different classes of students, it affords to all opportunities for that broad culture which should be the possession of every intelligent man. Improved methods of instruction make attainments easy at the present day which were beyond the reach of any but post-graduate students a few years ago. The instructors are specialists in their various departments, and the class-rooms and laboratories are supplied with the best appliances and apparatus for illustration and experiment. The wide range of elective studies enables students to carry their work in any chosen department to a high degree of advancement and practical results.

Whipple Academy, the Preparatory Department of Illinois College, is a secondary school of high grade. In addition to fitting its graduates for admission to Illinois College or any college or university in the country, it affords special advantages for the pursuit of English and business courses of study and for young teachers who wish to qualify themselves for higher grades of work. Its instruction is nearly all given by the regular college professors, and its stu-

dents have the benefit of the college library, laboratories and apparatus. In these and many other particulars it stands pre-eminent among schools of its class. The association of its students with college students and college work tends to promote ambition and manliness. Physical exercise is required and care is taken for the formation of moral character.

LOCATION AND BUILDINGS.

Jacksonville has long been famed for its culture and literary atmosphere. Three of the state charitable institutions are located here, and a number of prosperous schools and seminaries, and these, with the College, have led many cultivated families to take up their residence in Jacksonville. Its streets are well paved, lighted by electricity, and everywhere lined with arching rows of elms. It is conveniently situated at the intersection of the Chicago & Alton, the Wabash, the Chicago, Peoria & St. Louis, and the Jacksonville & St. Louis railroads. Its healthful climate and freedom from temptation render it a most favorable location for a Christian college.

The College campus is a magnificent park of some twenty acres, crowning a slight elevation, and set with large elms and other trees.

The College buildings are commodious and well equipped. They are *Sturtevant Hall*, in which are lecture and recitation rooms and laboratories; *Crampton Hall*, a large dormitory building; *Beecher Hall*, containing several society rooms; *Whipple Hall*, containing recitation rooms, and a large study hall for the preparatory department; the *College Hall*, devoted

to the use of the boarding department, and *Gymnasium*. These buildings are all well adapted to their uses, are heated by steam and lighted by gas. To these has now been added the *Jones Memorial* building, the gift of Dr. Hiram K. Jones of Jacksonville, erected in memory of his wife, Elizabeth Orr Jones. It is constructed of brick and terra cotta, with tile roof, finished in oak and maple, lighted by electricity and equipped with the most approved heating and ventilating systems and other modern conveniences. It is about ninety-two feet in length by seventy-three feet in width and is designed in an easy Gothic style of architecture. It contains the library, chapel, reading room, Y. M. C. A. rooms, president's office, a number of class rooms and a work room for the use of the library. It is carefully planned and complete in all its features.

COURSES OF INSTRUCTION.

The courses of instruction form a system of required and elective study. In the Freshman year the required studies occupy twelve hours each week; in the Sophomore year eight hours each week; in the Junior year six hours, and in the Senior year five hours, leaving three hours of elective work in the Freshman year, seven hours in the Sophomore year and ten hours each in the Junior and Senior years.

The required studies of the Freshman year are selected for their disciplinary value, in order that students may the more profitably pursue, in subsequent years, whatever they may elect.

The required studies of the Sophomore, Junior and

Senior years are restricted to English, German, French, Biology, History and Philosophy, the pursuit of which in their respective courses is deemed necessary for students who are to be recommended for a collegiate degree.

The elective studies offer the student a large number of subjects, and are so placed in the curriculum that freedom of choice is allowed within the necessary limitations of the schedule of recitations.

REQUIREMENTS FOR ADMISSION.

Four different courses of study are pursued in this College: The Classical Course, the Philosophical Course, the Scientific Course and the Agricultural Course.

Candidates for admission to these courses are examined in the following subjects:

FOR ALL COURSES.

ENGLISH—1. GRAMMAR finished. COMPOSITION, equivalent to Newcomer's Composition. RHETORIC, equivalent to Lewis: First Book in Writing English. LITERATURE, equivalent to Syle's From Milton to Tennyson, any thirty selections. In addition the candidate must write a short essay on a subject announced at the examination and connected with the selections prescribed for study. 2. GEOGRAPHY. 3. HISTORY AND CONSTITUTION OF THE UNITED STATES. 4. HISTORY OF THE EASTERN NATIONS, GREECE AND ROME. 5. ELEMENTARY BOTANY, as specified under requirements for the Scientific Course.

MATHEMATICS—ARITHMETIC, including square and cube roots, and the metric system. Accuracy and skill in analysis are the chief requisites of this subject. GEOMETRY, plane and solid, equivalent to Beman and Smith's entire text. The ability to solve neatly and rapidly original exercises is insisted upon and candidates for admission are liable to be tested especially on this acquirement. ALGEBRA, including quadratic equations, simultaneous quadratics, fractional and negative indices, surds, complex quantities, ratio and proportion—equivalent to the first twenty-three chapters of Stringham's Smith's Elementary Algebra. The work must be strictly equivalent to that mentioned, and the candidate must have a thorough knowledge of, and skill in, handling examples of the special topics mentioned.

In addition to these subjects, candidates for admission to the several courses are examined in special subjects as follows:

FOR THE CLASSICAL COURSE.

LATIN—GRAMMAR, including Prosody (Allen and Greenough). CÆSAR, four books. CICERO, orations (i. e. two times the amount of text in the four against Catiline). OVID, two thousand lines. VERGIL, four thousand lines. COMPOSITION, (Riggs or Daniel). ROMAN ANTIQUITIES, Tighe, Wilkins.

GREEK—GRAMMAR, including Prosody (Goodwin or Hadley-Allen). XENOPHON'S ANABASIS, four books. HOMER'S ILIAD, three books. COMPOSITION, (Woodruff). CLASSICAL GEOGRAPHY.

FOR THE PHILOSOPHICAL COURSE.

LATIN—GRAMMAR, including Prosody (Allen and Greenough). CÆSAR, four books. CICERO, orations (i. e. two times the amount of text in the four against Catiline). OVID, two thousand lines. VERGIL, four thousand lines. COMPOSITION, (Riggs or Daniel). ROMAN ANTIQUITIES, Tighe, Wilkins.

NATURAL SCIENCE—ELEMENTARY ZOOLOGY, PHYSIOLOGY and PHYSICS.

GERMAN—The reading at sight of easy German prose.

FOR THE SCIENTIFIC AND AGRICULTURAL COURSES.

NATURAL SCIENCE—BOTANY, equivalent to Gray's School and Field Book, with a herbarium of at least fifty mounted and classified plants, and the pupil's note book. ZOOLOGY, equivalent to Colton's practical Zoology and Packard's Brief Course, with the pupil's note book in dissection. PHYSICS, equivalent to Nichol's Outlines of Physics, and note book showing at least sixty experiments by the pupil. PHYSIOLOGY, equivalent to Walker's.

LANGUAGE—One year of Latin or German, or satisfactory equivalents.

Real equivalents will always be accepted, and candidates for admission are invited to correspond in advance of the examinations with the Professors in whose departments are found the subjects for which they desire to offer substitutes.

The examinations for admission to College will occur on Monday and Tuesday, September 12th and 13th, 1898, and will be arranged as follows:

Monday, 9 A. M English Branches.

Monday, 2 P. M Natural Sciences.

Tuesday, 9 A. M Latin and German.

Tuesday, 2 P. M Greek and Mathematics.

Persons intending to take these examinations are reminded of the necessity of carefully observing the above program. They are also urged to make special preparation in order to insure success, as a general knowledge of the subjects indicated will not be sufficient.

Attention is called to the Scholarship Prizes for best entrance examinations, which are described hereafter under the head of prizes.

Testimonials of good moral character may be required whenever the Faculty think it necessary. Students from other colleges are always required to produce certificates of honorable dismissal.

Courses of Instruction Arranged According to the Collegiate Years:

FRESHMAN YEAR.

CLASSICAL COURSE.

FALL TERM.

1. Greek. Courses 1 and 2.	5 hours
2. Latin. Course a.	5 hours
3. *Mathematics. Course 1 b.	3 hours
4. English. Course 1.	2 hours
5. Elocution.	1 hour
6. Bible. (Optional.)	1 hour

WINTER TERM.

1. Greek. Courses 3 and 4.	5 hours
2. Latin. Course b.	5 hours
3. *Mathematics. Course 1 c.	3 hours
4. English. Course 1.	2 hours
5. Elocution.	1 hour
6. Bible. (Optional.)	1 hour
7. Pedagogy. (Optional.)	1 hour

SPRING TERM.

1. Greek. Courses 5 and 6.	5 hours
2. Latin. Course c.	5 hours
3. *Mathematics. Course 1 c.	3 hours
4. English. Course 1.	2 hours
5. Pedagogy. (Optional.)	1 hour
6. Elocution. Course 1.	1 hour

*Elective. See foot-note p. 20.

PHILOSOPHICAL COURSE.

FALL TERM.

1. Latin. Course a.	5 hours
2. German. Courses 2 a, 2 b.	5 hours
3. *Mathematics. Course 1 b.	3 hours
4. English. Course 1.	2 hours
5. Elocution.	1 hour
6. Bible. (Optional.)	1 hour

WINTER TERM.

1. Latin. Course b.	5 hours
2. German. Courses 3 a, 3 b.	5 hours
3. *Mathematics. Course 1 c.	3 hours
4. English. Course 1.	2 hours
5. Elocution.	1 hour
6. Bible. (Optional.)	1 hour
7. Pedagogy. (Optional.)	1 hour

SPRING TERM.

1. Latin. Course c.	5 hours
2. German. Courses 4 a, 4 b.	5 hours
3. *Mathematics. Course 1 c.	3 hours
4. English. Course 1.	2 hours
5. Pedagogy. (Optional.)	1 hour
6. Elocution. Course 1.	1 hour

SCIENTIFIC AND AGRICULTURAL COURSES.

FALL TERM.

1. *Mathematics. Course 1 a.	2 hours
2. Course 1 b.	3 hours

*Elective. See foot-note p 20.

3.	Biology. Courses 1 and 2.	5 hours
4.	German. Course 1 or 2 a.	3 hours
5.	English. Course 1.	2 hours
6.	Elocution.	1 hour
7.	Bible. (Optional.)	1 hour

WINTER TERM.

1.	*Mathematics. Course 1 a.	2 hours
2.	Course 1 c.	3 hours
3.	Biology. Courses 1 and 2.	5 hours
4.	German. Course 1 or 3 a.	3 hours
5.	English. Course 1.	2 hours
6.	Elocution.	1 hour
7.	Bible. (Optional.)	1 hour
8.	Pedagogy. (Optional.)	1 hour

SPRING TERM.

1.	*Mathematics. Course 1 a.	2 hours
2.	Course 1 c.	3 hours
3.	English. Course 1.	2 hours
4.	Biology. Courses 1 and 2.	5 hours
5.	German. Course 1 or 4 a.	3 hours
6.	Pedagogy. (Optional.)	1 hour
7.	Elocution. Course 1.	1 hour

*Elective. Students not electing mathematics must choose an equivalent amount of work in other subjects.

SOPHOMORE YEAR.

ALL COURSES.

FALL TERM.

Required.

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|----|-----------|--|---------|
| 1. | Rhetoric. | Course 3. | 3 hours |
| 2. | History. | Course 1. | 2 hours |
| 3. | Biology. | Course 2. Classical and Philo-
sophical Courses. | 3 hours |
| 4. | German. | Course 2 a, or
French. Course 1. Scientific Course. | 3 hours |

Elective. Student to take 7 hours.

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|-----|---------------|----------------------|---------|
| 1. | Greek. | Course 7. | 2 hours |
| 2. | Latin. | Course 3. | 5 hours |
| 3. | Mathematics. | Course 3. | 5 hours |
| | | Course 5. Astronomy. | 2 hours |
| 4. | German. | Course 5. | 2 hours |
| | | Course 1. | 3 hours |
| 5. | French. | Course 1. | 3 hours |
| 6. | Zoology. | Course 2. | 5 hours |
| 7. | Physiography. | Course 1. | 1 hour |
| 8. | Chemistry. | Course 1. | 3 hours |
| 9. | Bible. | | 1 hour |
| 10. | Botany. | Course 1. | 5 hours |
| 11. | English. | Course 6 a. | 3 hours |
| 12. | History. | Course 6. | 2 hours |

WINTER TERM.,

Required.

- | | | |
|----|--|---------|
| 1. | Rhetoric. Course 3. | 3 hours |
| 2. | History. Course 1. | 2 hours |
| 3. | Biology. Course 2. Classical and Philo-
sophical Courses. | 3 hours |
| 4. | German. Course 3 a, or
French. Course 2. Scientific Course. | 3 hours |

Elective. Student to take 7 hours.

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|-----|-------------------------|---------|
| 1. | Greek. Course 8. | 2 hours |
| 2. | Latin. Course 1. | 5 hours |
| 3. | Mathematics. Course 3. | 5 hours |
| | Course 5. Astronomy. | 2 hours |
| 4. | German. Course 6. | 2 hours |
| | Course 1. | 3 hours |
| 5. | French. Course 2. | 3 hours |
| 6. | Zoology. Course 2. | 5 hours |
| 7. | Physiography. Course 1. | 1 hour |
| 8. | Chemistry. Course 1. | 3 hours |
| 9. | Bible. | 1 hour |
| 10. | Botany. Course 1. | 5 hours |
| 11. | Pedagogy. | 1 hour |
| 12. | English. Course 6 a. | 3 hours |
| 13. | History. Course 6. | 2 hours |

SPRING TERM.

Required.

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|----|--|---------|
| 1. | Rhetoric. Course 3. | 3 hours |
| 2. | History. Course 1. | 2 hours |
| 3. | Biology. Course 2. Classical and Philo-
sophical Courses. | 3 hours |

4.	German. Course 4 a, or French. Course 3. Scientific Course.	3 hours
	Elective. Student to take 7 hours.	
1.	Greek. Course 9.	2 hours
2.	Latin. Course 2.	5 hours
3.	Mathematics. Course 3.	5 hours
	Course 5. Astronomy.	2 hours
4.	German. Course 8.	2 hours
	Course 1.	3 hours
5.	French. Course 3.	3 hours
6.	Zoology. Course 2.	5 hours
7.	Physiography. Course 1.	1 hour
8.	Chemistry. Course 1.	3 hours
9.	Botany. Course 1.	5 hours
10.	Pedagogy.	1 hour
11.	English. Course 6 b.	3 hours
12.	History. Course 6.	2 hours

JUNIOR YEAR.

ALL COURSES.

FALL TERM.

Required.

1.	English History. Course 2.	5 hours
	Elective. Student to take 10 hours.	
1.	Greek. Course 7.	2 hours
2.	Latin. Course 3.	5 hours
3.	Mathematics. Course 16.	3 hours
	Course 4.	2 hours
4.	Botany. Course 3.	1 hour
5.	Botany. Course 4.	2 hours
6.	Anatomy and Physiology. Course 5.	3 hours
7.	Geology. Economic. Course 3.	2 hours
8.	Bible.	1 hour
9.	English. Course 10.	5 hours
10.	Zoology. Course 2.	5 hours
11.	German. Course 5.	2 hours
12.	French. Course 1.	3 hours
13.	Geology. Course 2.	3 hours
14.	History. Course 7.	3 hours
15.	Oratory. Course 5.	2 hours

WINTER TERM.

Required.

1.	English Literature. Course 4.	5 hours
	Elective. Student to take 10 hours.	
1.	Greek. Course 8.	2 hours
2.	Latin. Course 1.	5 hours
3.	Mathematics. Course 16.	3 hours
	Course 4.	2 hours

4.	Botany. Course 3.	1 hour
5.	Botany. Course 4.	2 hours
6.	Anatomy and Physiology. Course 5.	3 hours
7.	Geology. Economic. Course 3.	2 hours
8.	Bible.	1 hour
9.	Pedagogy.	1 hour
10.	English. Course 10.	5 hours
11.	Zoology. Course 2.	5 hours
12.	German. Course 6.	2 hours
13.	French. Course 2.	3 hours
14.	Geology. Course 2.	3 hours
15.	History. Course 8.	3 hours
16.	Oratory. Course 2.	2 hours

SPRING TERM.

Required.

1.	English Literature. Course 4.	5 hours
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Elective. Student to take 10 hours.

1.	Greek. Course 9.	2 hours
2.	Latin. Course 2.	5 hours
3.	Mathematics. Course 16.	3 hours
	Course 4.	2 hours
4.	Botany. Course 3.	1 hour
5.	Botany. Course 4.	2 hours
6.	Geology. Economic. Course 3.	3 hours
7.	Pedagogy.	1 hour
8.	English. Course 10.	5 hours
9.	Zoology. Course 2.	5 hours
10.	German. Course 8.	2 hours
11.	French. Course 3.	3 hours
12.	Geology. Course 2.	3 hours
13.	History. Course 9.	3 hours
14.	English. Course 12.	2 hours
15.	Oratory. Course 5.	2 hours

SENIOR YEAR.

ALL COURSES.

FALL TERM.

Required.

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|----------------|---------|
| 1. Philosophy. | 5 hours |
|----------------|---------|

Elective. Student to take 10 hours.

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|--------------------------------------|---------|
| 1. Latin. Course 3. | 5 hours |
| 2. Mathematics. Course 8. | 3 hours |
| Course 7. | 2 hours |
| Course 9. | 3 hours |
| 3. Logic. | 3 hours |
| 4. English. Course 10. | 5 hours |
| 5. Anatomy and Physiology. Course 5. | 3 hours |
| 6. Entomology. Economic. Course 3. | 3 hours |
| 7. History. Course 4. | 3 hours |
| 8. Political Science. | 5 hours |
| 9. Bible. | 1 hour |
| 10. Greek. Course 7. | 2 hours |
| 11. Sociology. | 3 hours |

WINTER TERM.

Required.

- | | |
|----------------|---------|
| 1. Philosophy. | 5 hours |
|----------------|---------|

Elective. Student to take 10 hours.

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|---------------------|---------|
| 1. Latin. Course 1. | 5 hours |
|---------------------|---------|

2.	Mathematics.	Course 8.	3 hours
		Course 7.	2 hours
		Course 9.	3 hours
3.	English.	Course 10.	5 hours
4.	Anatomy and Physiology.	Course 5.	3 hours
5.	Entomology. Economic.	Course 3.	3 hours
6.	Literature.	Course 12. Oriental and Classical.	2 hours
7.	Political Science.		5 hours
8.	Bible.		1 hour
9.	Pedagogy.		1 hour
10.	Greek.	Course 8.	2 hours

SPRING TERM.

Required.

1.	Philosophy.	5 hours
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Elective. Student to take 10 hours.

1.	Latin.	Course 2.	5 hours
2.	Mathematics.	Course 8.	3 hours
		Course 7.	2 hours
		Course 9.	3 hours
3.	Greek.	Course 9.	2 hours
4.	English.	Course 10.	5 hours
5.	Entomology. Economic.	Course 3.	3 hours
6.	Christian Evidences.		3 hours
7.	Pedagogy.		1 hour
8.	English.	Course 2.	2 hours

DEPARTMENTS OF INSTRUCTION.

PSYCHIOLOGY, ETHICS AND PHILOSOPHY.

The study of Philosophy should begin with the elements of Psychology. The aim is to secure both comprehensiveness and thoroughness. No substantial progress can be made without first carefully considering the mental subject and its functions. The instruction will begin with an investigation of the various forms of mental phenomena. The work is divided into three subjects:

PSYCHOLOGY.

Mind will be studied in connection with the nervous system and its functions. As far as practical, experimental methods will be employed, but the constant appeal will be to consciousness. Although the course will be taught by the use of a text-book, considerable time will be taken, from the first, in oral instruction. The views of different authors will be compared and criticised. Among the topics considered will be: The Relations of the Soul to Matter; The Faculties, the limitations and correlations; Consciousness, its varieties and products; Classes and Media of Sense-Perceptions; Representation, its nature and forms and relation to habits of thought, speech and action; Thought and thought-knowledge,

the nature of the concept and its formation; Products of thought, Judgment, Reasoning, System; Intuition and the relation of intuitive knowledge; Laws of thought and belief. Required course, Senior year. Five hours a week.

Logic. The forms of thought and the different modes of reasoning will be considered. Elective course, senior year. Three hours a week.

Ethics. The nature and grounds of obligation will be considered, and the grounds of the distinctions of right and wrong, of virtuous and sinful actions; Functions of Conscience; Moral Judgment; Relation of the Will of God to Moral Judgment; the Will of God, how made known; Relation of Benevolence to the various virtues and vices; Government; Rights and Duties, and their correlation—Love the substance of both; Duties to God; Duties to Man; Relation of the sexes; Civil Society, with its rights and obligations: Rights—Life, Liberty, Reputation, Property; Duties—Self culture, Fidelity, Veracity. Required course, Senior year, following the Psychology. Five hours a week.

Theism. The Personality of God and Man; Arguments for the being of God; Anti-Theistic Theories; Pantheism, Positivism, Materialism, Agnosticism.

Evidences of Christianity. Prophecy; Miracles; Character of Christ; Nature of His Doctrines; Character of the Apostles; the Credibility of the Witnesses; the Spread and Effects of the System; Contrast with other Religions; Settlement of the Canon; Harmony with Modern Science. Elective course, Senior year, third term. Three hours a week.

PSYCHO-PHYSICS

has to do with the natural laws of physiology as applied to psychology. To present this subject according to its recognition as a department of natural science, experimental and physiological methods are pursued.

The lectures treat of the cerebral and nervous apparatus, etc., as follows:

1. The normal anatomy, including histology.
2. Its functional elements; the normal physical and psychological activities.
3. The lesions of its organization, or the occurrence of the abnormal in development.
4. The lesions of disorganization, or the acquired abnormal states.

PHILOSOPHY.

Philosophy investigates essential natures and first principles and causes. Hence the philosophic exercises of the mind are characteristically conversant about Real Being. Being is that which truly is and exists. And, therefore, Being is that which underlies and effects all the phenomena of the visible world.

Philosophy affirms Being to be a subject of immediate and verifiable human knowledge; that Being is the source and cause of all apparent life and motion and form in visible Nature, and a subject equally and truly as knowable as its phenomena.

The method of Philosophy is psychologic.

1. The psychologic and philosophic ground of all knowledge is found in the constitution of the Soul.
2. Man is related through and by means of con-

sciousness to Matter and Mind and Deity. Hence man is capable of knowlege in each of these subjects.

3. The Doctrine of Consciousness—it is the ground and condition of all knowledge whatever.

4. The scientific and philosophic principles of the Soul in which it is related to material nature, to Mind, and to Deity.

5. The scientific and philosophic proofs of the doctrine of the Immortality of the Soul.

6. The microcosmic constitution of man as the ground of the universal range of his capabilities of knowledge.

7. Nature—The differentiation of Mind and Matter, considered apart and in relation. The life principle is the active element, and the material principle is the passive and instrumental element; and a certain orderly conjunction of the vital with the material element is the fact of organization.

8. The Philosophy of Conscience, of Faith, of Knowledge, and of Law, as topics illustrative of the principles and the argument. The limit of this notice necessarily precludes intellible outlines.

From this point of view of Real Being, essentially and relatively identified, the course in Philosophy is intended to exercise the mind in the analytic and contemplative speculation and review of the Sciences, Physical, Metaphysical, and Theistic, and in the philosophic comprehension of all the sciences as they unite in a manifest and knowable First Cause.

The course will consist, for the present, of about thirty-five lectures, to be delivered to the Senior

class during the several terms of the Senior year.
Required course.

HISTORY.

History enables the student to appropriate the wisdom and experience of preceding ages. The aim of the instruction in this department is first to furnish the general information that is necessary for intelligent citizenship and the demands of social life, and second to give such training as will be valuable to students who are looking forward to the profession of Law or Journalism. In history the courses offer in connection with the preparatory courses a somewhat comprehensive study of events from the beginning of Greek civilization down to the present time. As far as practicable the work is intended to be continuous.

REQUIRED.

1. A course in General History during the Sophomore year. It begins with "The Migration of the Nations" in the 3th century. The text will be Prof. Fisher's Outlines, and frequent synopses and discussions, in writing, will be required. Entire year, 2 hours.

2. English History will be studied in the text of Gardiner's Student's History during the fall term of the Junior year. A previous knowledge of Ancient and Mediæval History will be assumed, and the benefits of the study, as well as its necessity, will be felt in the subsequent studies of Political Science and of English Literature. Frequent papers and discussions will be called for in the course of this study. Fall term, 5 hours.

ELECTIVE.

4. A course in general History from 1838 to 1890 will be offered to those who have taken Ancient, Mediæval and all previous Modern History. It will occupy three hours per week, and will consist of lectures, examinations and papers on prescribed topics. This will continue during the fall term.

6. French History. This course follows the development of the present French nation from the primitive inhabitants down to 1889. The class will use Duruy's History of France as text, and do such reference work as may be deemed advisable. Entire year, 2 hours.

7. Modern Europe. The period covered extends from the close of the 15th century to the beginning of the French Revolution. Special attention is given to the Protestant Reformation and the beginning of the revolution in political ideas. Text: Duruy's History of Modern Times. Fall term, 3 hours.

8. French Revolution. The Revolution is studied in its relations to all the leading countries of Europe. The course begins with the meeting of the States General and closes with the Congress of Vienna. Text: H. Morse Stephens's Europe and the Revolution. Winter term, 3 hours.

9. Nineteenth Century. The course deals with the development of the European states in the present century and extends from the Congress of Vienna to 1893. Text: Prothero's Europe in the Nineteenth Century. Spring term, 3 hours.

Courses 6, 7, 8 and 9 are open to students who have had Course 1 or its equivalent.

ECONOMICS.

Political science is studied not only in its abstract relations, but as connected with sociology and ethics.

In production, the student's attention is directed to its factors—the forces of nature and capital and labor. The distribution of the product, and the laws which regulate this distribution are then considered.

Following distribution of the product, and the laws which regulate this distribution, comes exchange. Should it be free or taxed; and, if taxed, for what purpose, and to what extent? Consumption, both productive and destructive, with charities, subsidies, free education, and public works, receive due attention. The laws of God which apply to society, of which our Federal Constitution is the best statement, are then taken up and considered. The origin and history of the Constitution; its amendments; its development by legislation, and by judicial decisions, and its adaptability to all future needs are thoroughly impressed upon the student.

An elective course in Political Economy and in Political Science—using Newcomb, and Stern's Development of the Constitution as texts—will be offered to those who have previously taken the courses in History. This will continue through the first and second terms, five hours each week. Papers and discussions on prescribed topics will be frequently called for.

An elective course in Sociology will be offered to students who have taken all previous courses in history. This will occupy three hours each week. The

text mainly followed will be Small and Vincent's Introduction to the Study of Society.

This course will alternate with the course in History from 1830 to 1890, and will be given in 1898 and 1899.

MATHEMATICS AND PHYSICS.

All the work in this department is elective. The courses are arranged in such a way that a student can in a four years' course elect all the work offered without omitting any required work from his course. If this be done he will carry five hours of mathematics in his first year, seven hours in his second year, ten hours in each of the other two years. The field thus covered it is believed is amply sufficient to prepare a student to take a university course consisting of strictly *graduate* work. As a basis for university work for preparation for teaching or for professional work in engineering or allied fields, the course laid down is thought to be the best. Two years' work following this course ought to be sufficient to secure the doctor's degree or the professional degree. There occurs in each year a line of applied mathematics, which is indispensable to the student of Architecture, Astronomy, Engineering, Mechanics, Physics, etc. The work of the first two years is that covered by the best institutions of the land. This occurs yearly. The remaining work is alternating.

The objective situation of the student at the completion of the course is that he shall perceive the entire field of mathematics in perspective. To secure this the instruction is so planned as to bring out as

far as possible the internal relations of one part to another, and of each to the whole. It is believed that by the formation of clear conceptions, and the emphasis of perfect definiteness throughout, the student's grasp of the subject will be made firm and complete. The modern notions of function, group, invariant, multiple quantity, etc., are introduced early and developed wherever occasion offers. Experience has proved the feasibility of this plan, and the great gain it is for the student. The colloquium and the seminary are introduced in places in an elementary way, in order that the student may learn to adopt the most efficient method of study, and may have some familiarity with these methods before entering upon his graduate work. It is hoped that this familiarity will enable him to proceed more rapidly with such work. (During the past year the society met weekly for discussion and solution of problems in *Greenhill's Calculus*. The object of the society is primarily practice, secondarily to systematise processes and results.) In the applied mathematical subjects the effort is to train the student to make use of theoretical results, and to solve the problems that occur in such subjects accurately and rapidly.

Students who elect the higher branches must be able to read French and German.

CONSPECTUS OF THE WORK.

FIRST YEAR—

- 1a. Algebra: Two-fifths.
- 1b. Trigonometry: Three-fifths, Autumn.
- 1c. Analytical Geometry: Three-fifths, Winter and Spring.

SECOND YEAR—

- 3. Differential and Integral Calculus: Five-fifths.
- 5. Astronomy: Two-fifths. [1898-99.]
- 12. Physics: Two-fifths. [1899-1900.]

THIRD YEAR—

- 4. Laboratory Physics: Two-fifths. [1898-99.]
- 2. Applied Mathematics: Two-fifths. [1899-1900.]
- 6. Advanced Geometry: Three-fifths. [1899-1900.]
- 16. Advanced Algebra: Three-fifths. [1898-99.]

FOURTH YEAR—

- 7. Theoretical Mechanics: Two-fifths. [1899-1900.]
- 11. Advanced Calculus, Function Theory, Definite Integrals: Three-fifths. [1898-99.]
- 8. Quaternions and Multiple Algebra: Three-fifths. [Yearly.]
- 9. Variations, Differential-Equations, Transformations: Three-fifths. [1898-99.]

FIFTH YEAR—

- 13. Mathematical Society. Geometry.
- 10. Theory of Light.
- 14. Theory of Heat.
- 15. Theory of Electricity and Magnetism.

COURSES IN DETAIL.

1a. *Algebra: Taylor's College Algebra.* Two-fifths. The first part of this work is a rapid review of Algebra from the beginning, special attention being given to the proofs of the fundamental operations, and their extension from integers to all numbers. The second part treats of functions, limits, derivatives, series, logarithms, permutations, probability, continued fractions, theory of equations, determinants, and graphic representations. Prerequisite, entrance mathematics.

1b. *Trigonometry: Jones': Jones' Tables.* Three-fifths in the Autumn. A study of triangles and their solutions, plane and spherical. Special stress is laid

on the practical side of the subject as well as on the formulæ. Prerequisite, entrance mathematics.

1c. *Analytical Geometry: Lambert.* Three-fifths in Winter and Spring. This course covers both plane and solid Analytics. The plan of the work is to develop in order the three-fold object of Analytics: To deduce an algebraic expression for geometric facts; to discover the geometric expression of algebraic statements; to use the algebraic expressions to find out new geometric facts. Much practical work is required. All the chief curves of Engineering and Physics are studied. Prerequisite, 1b.

2. *Applied Mathematics: Trautwine's Engineer's Pocketbook; Lectures.* Two-fifths. In this course the use of the transit and the level is learned, much field work being required with this in view. Beyond this the principles of land surveying, location of corners, division of land, cross-sectioning, earthwork, and simple bridges and other structures, are taught. Prerequisite 1 b.

3. *Differential and Integral Calculus: Lambert.* Five-fifths. This is probably the most powerful branch of mathematics. Its ideas and methods not only permeate every line of mathematics, but have a very great power in philosophy. It treats such functions as are *continuous*, and determines many of their properties. By its aid we compute lengths of curves, areas enclosed by curves, areas on surfaces, volumes, masses, centers of gravity, moments of inertia, equations of motion, average values, probabilities, and all problems of mechanics, physics, astronomy, etc. It enables us to study such properties of curves and

surfaces as tangents, curvature, geodesics, and the like. It furnishes methods for developments in series, maxima and minima, total values of functions along a line, over a surface, or through a space. It further develops new functions and their properties, as the gamma function, elliptic functions, etc. The course closes with an elementary treatment of the theory of functions of a complex variable, their differentiation and integration. Prerequisites 1a, 1b, 1c.

4. *Laboratory Physics: Nichol's Junior Course.* Two-fifths. A course in the use of physical measuring instruments and deduction of laws from the results of observations. Exact experiments are made in dimensions, curvature, density, forces, machines, pendulums, elasticity, balances, hydrometers, barometer, calorimetry, specific heat, latent heat, static electricity, magnetic curves, moments, intensities, electric currents, galvanometers, electromotive force, potential, resistance, capacity, induction, pitch, velocity of sound, sonometer, mirrors, lenses, indices of refraction, spectrometer, photometer, polarimeter, and others. Prerequisite, 3.

5. *Astronomy: Young.* Two-fifths. A general course covering the various phases of this interesting branch of science. Lectures supplementary to the text are given. Prerequisite, 1a, 1b.

6. *Advanced Geometry: Lectures.* Three-fifths. The different methods are developed and made use of, not including vector analysis or quaternions. The field of Geometry and its most salient results will be systematically presented. Several texts will be referred to. Prerequisite, 3.

7. *Theoretical Mechanics: Ziwet.* Two-fifths. This is a study of motion, force and energy. It is the foundation of all work in Physics, Architecture and Engineering. There are three parts: Kinematics, Dynamics and Statics, Kinetics. The treatment of problems is both algebraic and graphic. The first part covers the geometry of motion, translations, rotations, screws; linear, plane and solid kinematics. Some of the special topics are falling bodies, projectiles, piston motion, the pendulum, and link-motion. Part two discusses centers of gravity, forces, couples, plane statics, solid statics, virtual work, and attractive forces. Centroids, forces in frameworks, catenaries, friction, jointed frames, and trusses are some of the applications. Part three touches on impact, rectilinear and curvilinear motion. LaGrange's equations, moments of inertia, constraints, free rigid bodies, variable systems. Among other special topics are rams, steam engine indicators, horse power, planetary motion. Prerequisite, 3.

8. *Quaternions and Multiple Algebra: Lectures.* Three-fifths. This algebra develops the laws and relations of multiple quantities of three and of four dimensions. It is the gateway to Multiple Algebra and the Philosophy of Mathematics. The course as developed includes much matter not in the texts. Some application of the subject is made to Geometry, Mechanics and Physics. The work in Multiple Algebra will be chiefly a study of Matrices and Linear Algebras. Prerequisite, 3.

9. *Variations, Differential Equations and Transformations: Lectures and Page's Differential Equations.*

tions. Three-fifths. The Calculus of Variations is developed on the Weierstrass basis, and applied to the usual problems. Lie's theories are made the basis of the differential equation work, though much attention is given to the technique. Prerequisite, 3.

10. *Theory of Light: Preston.*

11. *Advanced Calculus: Harnack's Calculus; Harkness and Morley's Theory of Functions.* Three-fifths. A course beginning with the functions of a real variable, integers, fractions, rationals, irrationals, Cantor's and Hankel's theories, singularities of functions, continuities, discontinuities, derivatives, integrals, infinite series. Following this is a study of complex functions, their integration, Weierstrass', Cauchy's, and Riemann's methods and theorems. In particular elliptic functions, double theta-functions, and Abelian integrals are considered. Lectures on Definite Integrals will be given. Prerequisite, course 3.

12. *General Physics: Ames.* Two-fifths.

13. *Mathematical Society.* Two-fifths. Open to all students above the Freshman year. A general survey of the field of Geometry, its methods and its problems.

14. *Theory of Heat: Preston.*

15. *Theory of Electricity and Magnetism: Webster.*

16. *Advanced Algebra: Elliott's Quantics, Lectures.* Three-fifths. A course first of the invariants and covariants of linear transformations. These are developed mainly for binary quantics, secondarily for ternary quantics. This ground is covered rather exhaustively. Lectures then follow on invariants in general. The subjects mentioned are covered in as

elementary a manner as possible, and are profusely illustrated with examples. The effort is to give the student some undergraduate acquaintance with these fruitful topics. Prerequisite, 3.

THE GREEK LANGUAGE AND LITERATURE.

The work in this department is required through the Freshman year, and may be elected in alternating courses for two succeeding years.

The main purpose of the required courses, in view of the limited time assigned to them, is to enable the student to read easily and at sight. The most difficult authors, therefore, are not chosen, but those whose style is simple and most fairly representative of the Epic and Attic Greek. This method, far from encouraging superficiality, makes the careful study of accidence and syntax a continual necessity.

The elective courses are designed for those who desire to specialize in Greek or to make a further study of Greek literature.

REQUIRED.

1. *Homer*. In this course a thorough knowledge of Homeric forms and a fair knowledge of the Homeric vocabulary are pre-supposed. Attention is therefore directed less to distinctively grammatical work, and more to rapid reading and translation. From eight to ten books of the *Odyssey* are read—large portions of them at sight—and a just appreciation of their literary value is diligently sought. Four hours a week; fall term.

2. *Greek Mythology*. This course is intimately associated with course 1, and is supplementary to it. Topics suggested by the reading of Homer receive full consideration. A systematic and thorough study of the subject is made by the use of Gayley's *Classic Myths* as a text-book, and various works of reference. One hour a week; fall term.
3. *Lysias*. Selected orations are read, accompanied by a thorough review of Attic forms and syntax. Four hours a week; winter term.
4. *Prose Composition*. The translation of English exercises based on the text of Lysias constitutes the main work of this course. One hour a week; winter term.
5. *Plato*. The *Apology* and *Crito* are read, and in connection with them many passages from other works which bear upon the subjects treated. Five hours a week; spring term.
6. *Xenophon*. As a supplement to course 5. portions of the *Memorabilia* are read, either before the reading of the *Apology*, or in connection with it, thus affording the opportunity to study the character of Socrates from the standpoint of Xenophon as well as of Plato. Spring term.

ELECTIVE.

7. *Tragedy*. Selected plays of Euripides are read. The origin and development of the drama, its structure in its perfected form; the Attic theater, its construction, its maintenance, its place in the

public and private life of the Athenians, are among the subjects treated by lecture, and also assigned to the student for special investigation. Two hours a week; fall term.

8. *Tragedy*. This course is a continuation of course 7, and is devoted to the study of some of the plays of Sophocles and Æschylus. Two hours a week; winter term.
9. *Comedy*. *The Clouds* of Aristophanes is made the basis of a study of the Greek Comedy, its history, form, and influence. The bearing of this drama upon Philosophy, and especially upon that of Socrates, is discussed. Representative passages from other comedies are also read. Two hours a week; spring term.
10. *Oratory*. The translation of the *Philippics* is accompanied by the study of the history of the time, of the Athenian financial and military systems, and of the Athenian legislative bodies. The style of Demosthenes is the subject of careful study, several orations being analyzed and discussed as masterpieces of eloquence. Parts of Jebb's *Attic Orators* and *Primer of Greek Literature* are assigned for collateral reading. Two hours a week; fall term.
11. *History*. Selections from Thucydides and other Historians are read. Two hours a week; winter term.
12. *Lyric Poetry*. The object of this course is to give some familiarity with lyric poetry. Selections are read from the best Elegiac, Iambic and Melic

poets, such as Theognis, Mimnermus, Xenophanes, Sappho, Alcaeus, and Anacreon. Two hours a week; spring term.

A course in Hellenistic Greek will be given if desired by a sufficient number of students.

Text books for the Required Courses: Keep's Autenrieth's Homeric Dictionary; Perrin's Odyssey, Books I-IV.; Teubner text of the Odyssey, Books I-XII; Gayley's Classic Myths; Morgan's Lysias; Dyer's Plato's Apology and Crito; Winan's Xenophon's Memorabilia; Goodwin's Grammar; Liddell & Scott's Lexicon.

THE GERMAN LANGUAGE AND LITERATURE.

Courses 2a to 4b, inclusive, are required of all Philosophical Freshmen.

Courses 2a, 3a, and 4a are required of all Scientific Freshmen who have had a year of preparatory German. The above courses are also open to all students who are able to read at sight simple prose.

Course 1 is required of all Scientific Freshmen who have had no preparatory German; it is designed also as an elective for Classical students.

The works read vary from year to year, an effort being made to give some familiarity with the writings of Schiller, Goethe and Lessing, as well as the best representatives of contemporary German literature.

In addition to the works specified, others adapted for sight reading are used as opportunity offers. For those desiring to use German in scientific studies, a course of reading in Scientific German is offered.

While every recitation is to a large degree an exercise in the conversational use of German, a separate course is devoted to this subject in connection with the work of the Freshman year.

1. *Elementary German*. It is proposed to accomplish by this three-fifths course what is ordinarily accomplished by the full preparatory course. For the fall term the text-book is Thomas's *Practical German Grammar*. This is followed by the reading and translation of easy German texts. Three hours a week; the entire year.
- 2a. *Nineteenth Century Writers*. Selections are read from Heyse, Storm, Stifter and others. Three hours a week; fall term.
- 2b. *German Composition and Colloquial Exercises*. Harris's *German Prose Composition* is used as a text-book. The object of the course is to give as much practice as possible in writing and speaking German. Two hours a week; fall term.
- 3a. *Schiller*. A study is made of one or more of the less difficult of Schiller's plays. Three hours a week; winter term.
- 3b. *German Composition*. This course is a continuation of 2b. Two hours a week; winter term.
- 4a. *Comedy*. This course affords an introduction to German comedy, and is also valuable as giving an acquaintance with many modern colloquialisms. Three hours a week; spring term.
- 4b. *Biography*. The reading of Becker's *Friedrich der Grosse*. Two hours a week; spring term.

The following courses are open to all who have taken the preceding courses or their equivalent.

5. *Lessing*. Selected works. Two hours a week; fall term.
6. *Goethe*. Selected works. Two hours a week; winter term.
7. *Scientific German*. Dippold's *Scientific German Reader*. Two hours a week; winter term. This course alternates with course 6.
8. *Historical German Grammar*. This course is based upon Behaghel's *Die Deutsche Sprache*. Two hours a week; spring term.
9. *Historical German*. The reading of Von Sybel's *Die Erhebung Europas gegen Napoleon I.* Two hours a week; spring term. This course alternates with course 8.

ENGLISH AND ORATORY.

The work in English includes courses in English Literature, English Language, Rhetoric, Composition, and Elocution. The object is, first: to give the student command of the English language in speaking and writing; second: to teach him to understand and then to appreciate the essential principles of English Literature and the main course of its development.

REQUIRED.

1. *Composition and Rhetoric*. Some theory, and much practice in writing. Two hours a week; Freshman year.
2. *Elocution*. Practical drill in delivery of declamations, in debating, and in reading aloud. One hour a week; Freshman year.

3. *Higher Rhetoric.* This course considers the essentials of Literature. It forms a basis for the more extended study of English Literature in the following year. Sherman's *Analytics of Literature*. Three hours a week; Sophomore year.
4. *English Literature, including American Literature.* This study will consist of an analysis of writings and comparative estimate of their merit and influence. Certain authors will be selected for more critical study, and students will be called upon for original reviews and criticisms. Five hours a week; winter and spring terms; Junior year.

ELECTIVE.

5. *Oratory.* Study of models, with composition and delivery of arguments and speeches. Open to those who have had courses 1, 2, and 3. Two hours a week throughout the year.
- 6a. *Anglo-Saxon.* An introduction to the prose, and to the easier poetry. Open to those who have had courses 1 and 2. Three hours a week; fall and winter.
- 6b. *Chaucer.* A study, in part literary, in part linguistic, intended to follow course 6a. Three hours a week; spring.
7. *Shakspeare.* A brief study of his constructive art and of the development of his genius. Open to those who have had courses 1, 2, and 3. Five hours a week; fall.
8. *The Romantic Poets.* With some attention to the development of the Romantic Movement, the

course deals chiefly with Wordsworth, Byron, Shelley and Keats. Open to those who have had course 7. Five hours a week; winter.

9. *Victorian Poets*. A study mainly of Tennyson and Browning. Open to those who have had course 7. Five hours a week; spring.

Alternating with courses 7, 8, 9 is course 10, which will be given in 1898-9.

10. *English Prose*. A few writers are studied in detail—others more briefly; the object being to trace the development of prose literature and the work and influence of the chief writers. Open to those who have had courses 1, 2, and 3. Five hours a week; throughout the year.

11. *Oriental and Classical Literature*. A comparative study. Open to those who have had course 4 and the required studies in History. Written and extempore discussions will be frequently called for. Three hours a week; winter term. Two hours a week; spring term.

SCIENCES.

The object of the Science work is to render the student familiar with typical forms of both plant and animal life, also with forms so related to these that the law of evolution in nature is clearly placed before the student's mind.

The greatest possible benefit a student may derive from this work is careful, exact, systematic work, keenness of observation, clear, unprejudiced discrimination and logical conclusions regarding natural laws developed in the Laboratory.

Each student is required to keep a series of systematic note books in each line of work, showing observations, experiments, and their results, or his own conclusions. These courses in text, references and Laboratory training, prepare the students first of all to become broad-minded, careful thinkers; they also prepare for special work in the technical schools in Botany, Zoology, Biology, Chemistry and Geology; they are especially adapted to the students intending to prepare for medical schools, and for those fitting themselves for science teaching, either in high schools or colleges.

The courses designed especially for agricultural students are of great importance.

EQUIPMENT.

The College is well equipped with Bausch and Lomb microscopes in number sufficient to supply each pair of students.

Proper material for preparing and mounting histological slides is kept constantly on hand.

A large Bullock microscope with micrometer adjustments and Zeiss objectives is used for the finest work, as in Bacteriology.

The Chemical Laboratory possesses the usual equipment, accommodating twenty students with individual desks.

A large list of reference books is at the command of the student, including a complete set of Smithsonian contributions, miscellaneous collections and reports, a full set of the American Journal of Science, and various other valuable reports from the Coast

and Geodetic Survey, the Geological Survey, the Ethnological Reports and Natural History Surveys.

Constant additions are made to apparatus and books; current periodicals are kept on file, as Science, The American Naturalist, the American Journal of Science, Astronomy and Astro-Physics, Botanical Gazette, Microscopical Gazette, and others.

COURSES IN DETAIL.

BIOLOGY.

1. *Elementary Biology: Parker.* This is a course of text-book work, taking up the Amoeba, Hæmatococcus, Heteromita, as typical of three classes of organisms. These are then compared with the constituent parts of the higher animals and plants, showing essential points of resemblance and difference. Advancing from these, Vorticella, the Foraminifera, Diatomaceæ, Mucor, Algae, Agaricus, Nitella, the Hydra and Hydroid Polypes, Polygordius, Starfish, Crayfish, Fresh-water Clam, Dog-fish, Mosses, Ferns, and the higher Angio-sperms are taken up in their successive and natural order, to show the law of differentiation with the increase in complexity of structure. Besides, the embryology of several of the preceding is studied, in order to show the foundation of the law of Evolution. Two hours, throughout the year.

2. *Elementary Practical Biology: Huxley and Martin* for fall and spring terms; *Parker's Zootomy* for the winter term. This is exclusively a course of Laboratory work, throughout the year. Beginning in the fall term, investigations are made on as many of the

lower organisms as can possibly be obtained. The work advances to the dissection of the Cray-fish, Earth-worm and Fresh-water Clam. In the Winter term the Fish, Pigeon, and Cat are dissected. In the Spring term the Frog, Fern and higher Angio-sperms are each carefully dissected in turn. This supplements course 1. Three hours. These two courses are required of Scientific Freshmen.

BOTANY.

1. This course contemplates a careful study of the outlines and principles of Morphology and Classification as well as the laws and facts of Oecological Botany. The work begins in the fall term with a careful classification and study of Compositae, Ferns and Grasses in the Laboratory. Following this is a series of lectures on the outlines and principles of Morphology, and Classification illustrated by type studies. The rest of the year is occupied with a series of lectures upon the laws and facts of Oecological Botany, illustrated by extensive and exhaustive field observations, as well as careful, systematic laboratory experiments. Five hours; requires Biology courses 1 and 2.

2. *Histology of Plants: Hillhouse and Strassberger.* This is a course of thorough microscopic investigation upon plants showing typical cells, their modifications, contents and arrangement into great tissue systems. The student begins with the structure of a single typical cell, studies cell contents, protoplasm with the nucleus, starch grains, crystals, oil, chromatophores and aleurone grains; learns the modifica-

tion of these cells into stomata, plant hairs, fibro-vascular bundles, cork cells and various wood tissues. One recitation and ten hours laboratory work weekly required. Five hours; requires Biology courses 1 and 2.

3. *Economic Botany: DeBarry.* This is a course in the study of the structure, history and development of plants which are of economic value. One hour.

4. *Embryology of Plants.* This is a course of lectures and laboratory work on the development of certain typical plants, from the embryo to the mature plant. The seeds of these plants are germinated and the progress of their development is carefully studied both by external observation and microscopic sections. Two hours; requires Biology courses 1 and 2.

5. *Physiology of Plants: Vincs.* This course takes up the structure and functions of the various organs and tissue system of the plant, ending with the physiology of plant reproduction. The work begins with the structures and properties of the plant cell, namely cell wall, protoplasm, nucleus, vacuole and cell cap; following this is absorption, transpiration, food of plants, metabolism, growth irritability, both of the plants and growing parts; finally reproduction. Five hours; requires Biology courses 1 and 2.

Course 2 only will be given in 1898-99.

ZOOLOGY.

1. *General Morphology and Classification: Claus & Sedgewick, and Jordan's Manual of Vertebrata.* This course takes up typical animals of the various

classes, orders, genera, and species, shows their relationship through modified appendages, organs or other structures, in order to develop the principles of classification. In the laboratory typical vertebrate animals belonging to Pisces, Aves, and Mammalia are classified and their relationship detailed by the students. Five hours; requires Biology courses 1 and 2.

2. *Histological Zoology: Schafer's Essentials of Histology.* This course begins with a series of lectures upon the construction, use and manipulation of the microscope, methods of staining, of mounting and recognition of tissues. The work begins with single cells, shown in the blood corpuscles of higher vertebrates. Comparative study is made of the corpuscles of reptiles, birds, fish and mammals. The student then learns the tissue systems, namely epithelium, areolar and adipose tissues, articular and costal cartilages, bone, muscles, nerve cells and nerve fibres. The work then passes to the grouping of these tissues into organs. Five hours; requires Biology 1 and 2.

3. *Systematic and Economic Entomology: Smithsonian and Experimental Station Reports.* This is a thorough course of study upon noxious and beneficial insects, their habits, diseases, methods of protection or destruction, with a thorough course in classification of all insects obtainable. Three hours; requires Zoology 1.

4. *Comparative Embryology.* This course consists of a series of lectures on general vertebrate embryology, showing essential points of resemblance in order

further to develop the principles of relationship and classification. Laboratory work will be done upon the embryology of the frog, chicken, and as many other vertebrates as can possibly be obtained. Two hours; requires Biology 1 and 2.

5. *Human Physiology; Martin's Human Body.* A course of anatomy, physiology and hygiene of the human body. Work is supplemented with lectures and study of specimens. Three hours; fall and winter terms. Will be given in 1899-1900.

GEOLOGY.

1. *Physiography: Ritter's Comparative Geography, Guyot's Physical Geography, Wallace's Island Life.* A study of earth forms, and the laws producing or affecting them, embracing Dynamical Geology, also the distribution of animal and plant life on the globe, and the laws which govern it. One hour.

2. *General Geology and Paleontology: LeConte's Elements of Geology.* This is a thorough course in the geology of the earth, taking up dynamical structural, and historical geology. Beginning with the agents which work now upon the face of the earth, it shows their present effect. Advancing to the structure of the earth it shows how these same agents have been at work throughout all time. Historical Geology takes up the pre-historic distribution of plant and animal life, shows the conditions which must have prevailed during their existence, explains the succession of higher and higher types from the earliest Archean times, throughout the Palaeozoic,

Mesozoic, Cenozoic, up to the Psychozoic of present time. Three hours.

3. *Economic Geology: Tarr.* This is a course of research into the origin, method of deposit, and mining of the useful minerals and soils of the United States. The course is supplemented by a series of readings from United States Geological reports. Two hours; requires Geology 2.

CHEMISTRY.

1. *General Chemistry: Freer's Chemistry.* This course is meant to familiarize the student with the properties of the elements and their compounds. It consists of two recitations and ten hours laboratory work per week, through the year. Three hours. Elective by Sophomores.

2. *Qualitative Analysis: Douglas and Prescott's Qualitative Analysis.* It consists of three recitations and ten hours of laboratory work per week through the year. Five hours. Elective by Juniors.

3. *Quantitative Analysis: Sutton.* This course pursues the volumetric method, and is quite extensive. It consists of two recitations and ten hours laboratory work weekly throughout the year. Five hours. Elective by Juniors and Seniors.

4. *Organic Chemistry: Remsen, Richter.* In this course a thorough study is made of some of the carbon compounds, both theoretically and in laboratory work. The course requires two recitations weekly and ten hours laboratory work. Five hours. Elective by Seniors and Juniors.

THE LATIN LANGUAGE AND LITERATURE.

The work in Latin is intended to give to the student a thorough knowledge of the structure of the language and such an acquaintance with Roman history, antiquities and literature as will lead to a correct idea of the influence of Roman life and thought upon our own civilization. The work is partly required and partly elective. The required work includes five recitations weekly for one year. In addition to this the student may elect five hours weekly for a second year. The college library and that of the instructor contain the best critical editions, commentaries, monographs and works of reference. Students who have completed the course have taken high rank in the universities, and have made successful teachers.

THE REQUIRED WORK:—The attention of the student in the required work of the Freshman year (see pages 18 and 19) is directed chiefly to the structure of the Latin sentence and the subject of Latin style, as illustrated in the portions of Cicero, Livy and Horace read in the class room, and by constant practice in reading at sight and in the order of the original. The text-books used in these courses in the year 1898-9 will be: Course *a*, Bennett's Cicero's Cato Maior and Laelius; Course *b*, Greenough's Livy I and II; Course *c*, Smith's Odes of Horace; Allen & Greenough's grammar and Lewis's dictionary.

THE ELECTIVE WORK:—In the elective work the study of Latin literature is made prominent. Selections are read from a variety of authors. In the year 1898-9 courses 3, 1 and 2 will be given respectively in the fall, winter and spring terms.

1. Latin Comedy: Selected plays of Plautus and Terence. Five hours weekly; winter term.
2. Latin Philosophy: Selections from Lucretius, Cicero's philosophical works and Seneca. Five hours weekly; spring term.
3. Latin History: Sallust's Catiline and selections from Tacitus. Five hours weekly; fall term.
4. Latin Satire: Selections from Horace, Juvenal, and Persius.
5. Epistolary Latin: Selections from the correspondence of Cicero, Pliny and Seneca.
6. The less read poets: Selections from Catullus, Tibullus, Propertius, Ovid and Martial.

FRENCH.

The short time available for the study of French, three hours a week for one year, necessitates making the course strictly a reading course, the object being to acquaint the student with as wide a range of authors as possible.

ELEMENTARY COURSE.

Six weeks or more are spent in the study of forms and syntax, with Edgren's French Grammar as a basis of work. The remainder of the term is spent in reading selections from Super's French Reader. Elective course, three hours a week, fall term.

INTERMEDIATE COURSE.

The main object of this course is to give practice in rapid reading. For this purpose, selections are made from the works of the most enter-

taining authors. Elective course, three hours a week, winter term.

ADVANCED COURSE.

Selected dramas of Victor Hugo and Moliere are read. In addition to these works, others of a simpler nature are assigned for private reading. Elective course, three hours a week, spring term.

PEDAGOGY.

This course is offered to college students desiring to investigate the general principles underlying educational science. Its special purpose is to lay the foundation for professional training in the art of teaching, and at the same time to furnish a training in abstract thinking which will aid in introducing the student to the higher philosophic studies.

Since pedagogical science contemplates the proper adjustment of the individual to his environment of civilization, its principles are to be derived chiefly from the psychological study of the individual—that is to say, the various phases of mind activity in process of development from childhood to maturity; and also the objective psychological study of the institutions of civilization.

The course will therefore have for its basis the study of educational psychology, as above indicated. Books read, Dewey's *Psychology* and Harris's *"Psychologic Foundations of Education."*

This preparatory course will be followed by an investigation in *Universal Method* ("McMurry's *General Method*").

The final course will be "Method of the Recitation" (McMurry).

THE BIBLE.

A systematic course of study in the English Bible is offered each year, open to all students of the College. The purpose contemplated is to give the student a general knowledge of the Scriptures which shall be in some degree commensurate with his knowledge of other subjects. The course is one hour a week through the first and second terms, and will vary from year to year so as to enable the student to cover the Old and New Testaments in the four collegiate years.

Course 1. From the Creation to the Division of the Jewish Kingdom.

Course. 2. From the Division of the Jewish Kingdom to the Birth of Christ.

Course 3. The Life of Christ. Studies in the Gospels of Luke and John.

Course 4. The Early Christian Church. Studies in the Acts of the Apostles and Pauline Epistles.

During the fall and winter terms of the year 1897-8 Course 1 was given. Course 2 will be given in 1898-9.

SPECIAL COURSES OF STUDY.

IN PREPARATION FOR PROFESSIONAL SCHOOLS.

The best preparation for the special schools of law, medicine, theology, engineering, etc., is that afforded by a regular college course; and the best professional schools are raising their requirements for admission so as to approximate the usual requirements for a college degree. In all professional schools of national

reputation the degrees of Illinois College are recognized as equivalent to those given by the best eastern colleges. The expenses of a student in Illinois College are very low—less than one-half as much as they are in eastern colleges or in most professional schools.

It is a great advantage, therefore, to a student if he can pursue his studies in college along such lines as will enable him to enter the professional school at an advanced standing. He can thus reduce the expenses of his course of study and also enjoy the great advantages for general culture afforded by the college. Several of the best professional schools have already indicated their willingness to give credit for work done in Illinois College in various departments of study. This will correspondingly shorten the time required to complete their courses and bring a liberal as well as a professional education within the reach of most young men. No student should willingly deprive himself of a full college education.

But there are some young men of ability and mature years who cannot afford to spend so much time and money in preparing to *begin* the work of the special schools. Though they know what is best, appreciate and covet it, they feel that they must content themselves with less, and hope by application and hard work to derive great benefit, if not the greatest possible benefit, from the professional school. To these earnest students we commend the following special courses, in pursuing which they may feel that they are obtaining not only general discipline and culture, but also laying a broad foundation for professional study:

MEDICINE: Anatomy; Physiology; Biology; Zoology; Chemistry; Histology; Embryology; Botany; Psychology; English (Rhetoric, composition, critical study of authors); Physical Training.

LAW: History; Economics; Political Science; Psychology; Logic; Ethics; Constitutional Law; International Law; Latin; English (Rhetoric, composition, oratory, authors); Physical Training.

THEOLOGY: Latin; Greek; New Testament Greek; The English Bible; History; Psychology; Logic; Psycho-Physics; Ethics; Geology; English (Rhetoric, oratory, composition, authors); Physical Training.

ENGINEERING: Trigonometry; Analytical Geometry; Mechanics; Higher Algebra; Mechanical Drawing; Surveying; Differential and Integral Calculus; Laboratory Measurements; Theory of Heat; Theory of Light; Physics; Chemistry; English (Rhetoric, composition, authors); Physical Training.

DENTISTRY: Anatomy; Physiology; Biology; Chemistry; Physics; Histology; Mechanics; English (Rhetoric, composition, authors); Physical Training.

The time required by these special courses will depend largely upon the student's maturity and previous attainments. Subjects may be selected according to the requirements of each individual, and the courses may be more or less extended and complete, but thoroughness will be insisted upon in all cases. The College offers short courses to meet special needs, but will not encourage superficiality. It is especially recommended that in all special courses due emphasis be placed upon a thorough mastery of English.

The wisest observers now agree that students who

are unable to pursue a full college course should take the early part of their professional or technical studies in a good college. The foundation will be broader and better laid. Students who go directly from the high school to the professional school make a great sacrifice. The college provides the conditions most favorable to growth and educates to self-reliant manhood. Its organization affords opportunities for general culture, together with the special lines of work which relate to one's profession.

Young men who intend to follow a profession, but who are unable for any reason to take a full college course, are invited to correspond with us with reference to the details of work in any of the above lines of study. The time spent here will generally shorten the period required in the professional schools.

PHYSICAL TRAINING.

The class work consists of both light and heavy gymnastics. Marching, dumb-bell, bar-bell, and Indian club drills constitute the greater part of the work of the fall term. This work is continued during the winter term. Much work is also done on the horse, on the parallel bars, and the horizontal bars; while exercises with the chest-weights and the simpler movements on the ladder and rings are occasionally given throughout the year. The individual work, especially in heavy gymnastics, is varied to meet the requirements of each student under the direction of the instructor in physical training. Tennis courts, foot-ball grounds afford ample opportunity for outdoor exercise suited to each student.

PHYSICAL EXAMINATIONS.

Before entering upon the Gymnasium practice, each student is given a physical examination to ascertain his variation from the normal form and to discover physical defects, if they exist. These examinations are conducted by a skilled physician, and furnish the data for future work in the Gymnasium. It has already been found that students enjoy better health than before the Gymnasium was erected. The examinations, after a period of gymnastic drill, invariably show increase of muscular and vital force.

EXAMINATIONS, TESTIMONIALS AND DEGREES.

Whenever any branch of study has been completed, students may be subjected to a rigid examination upon it, oral or written, as the instructor shall judge most suitable. No testimonial of scholarship will be given, either by authority of the institution or by any individual instructor, except as the result of such examination or its equivalent.

Any one who shall sustain such an examination on any one or more subjects will be entitled to a certificate of the same, duly authenticated by the authorities of the institution.

The degrees of Bachelor of Arts, Bachelor of Philosophy, and Bachelor of Science will be conferred, respectively, upon students who finish satisfactorily the Classical, Philosophical, or Scientific Course. On completing the Agricultural Course, students will be encouraged to become candidates for the degree of

Bachelor of Science, which they may do by remaining at the College and pursuing the studies of the Senior year in the Scientific Course.

The Master's Degree *in cursu* is no longer given by Illinois College; it will be conferred only after the completion of one full year's work.

The degree of Master of Arts will be conferred upon Bachelors of Arts or Bachelors of Philosophy of Illinois College, or upon graduates of other colleges in courses equivalent to the Classical or Philosophical courses in this college, on completing one full year's work in residence, in studies appropriate to these courses, passing satisfactory examination thereon, and presenting a satisfactory thesis on some topic connected with this work.

The degree of Master of Science will be conferred upon Bachelors of Science of Illinois College, or upon graduates of other colleges in courses equivalent to the Scientific course in this college, on the same conditions.

These degrees will be conferred upon the graduates of Illinois College, three years or more after graduation, for non-resident study equivalent to at least one year's work in residence, on furnishing satisfactory vouchers that such courses of liberal study have been pursued, and presenting a satisfactory thesis on some topic connected with such work.

In special cases, for reasons satisfactory to the Faculty the degree of Master of Arts will be conferred upon Bachelors of Science or that of Master of Science upon Bachelors of Arts or Philosophy, the proper requirements in each case having been met. Candi-

dates for either of these degrees should correspond with the head of the department in which the degree is desired.

The degree of Doctor of Philosophy will be conferred upon applicants who have already received the Master's degree for work done, spend two years in successful original investigation and present a satisfactory thesis.

In order to receive any of the above degrees, it is necessary that previous to commencement, application shall be made to the President, and the sum of \$5.00 paid to the Treasurer. No person will be recommended to the Trustees as a candidate for any degree or testimonial unless he has first settled all dues.

LIBRARIES.

The College Library has been arranged and enlarged by the gifts of liberal friends of the College. For the convenience of students and friends of the institution, the Library is open the larger part of each day and evening for the consultation or drawing of books. A certain portion of this collection, however, including works of reference, is withheld from circulation, and retained in the building for convenience and safe-keeping. The Library now contains more than ten thousand volumes, and is well worthy of the attention of students. The Reading Room is well supplied with the best papers and periodicals, and is open at the same hours as the Library. Advice and assistance in selecting courses of reading, which may be pursued in connection with

their studies, will be given by the College Librarian to all who may desire.

In addition to the College Library, each of the literary societies has a collection of books of its own selection. The Sigma Pi Society Library comprises over two thousand volumes, and the Phi Alpha Society Library comprises seventeen hundred and thirty-five volumes. These figures do not include pamphlets, or worthless books of any sort. For the ordinary purposes of the student, these libraries are much more serviceable than the College Library, which is, to a great extent, composed of the rarer and more costly works, books of reference, scientific treatises, etc. There is also a small library, containing about three hundred volumes, devoted mainly to theological and religious literature. We have, then, the following summary of the College Libraries:

College Library	10,300	volumes.
Sigma Pi Library	2,000	"
Phi Alpha Library	1,735	"
Religious Library	300	"
Philologian Library	140	"
Total.	14,475	"

LITERARY SOCIETIES.

The students sustain four Literary Societies, which, for the effective and thorough training which they furnish in debate, in the expression of thought and in parliamentary usage, are exceptionally excellent. They are not expensive organizations for good fellowship and conviviality, but are conducted solely

with a view to giving their members valuable training in debate and other literary exercises. Regular attendance and the prompt performance of duties are secured to a much greater degree than is usual in such organizations. They are entirely free from all indebtedness, and the dues of each member vary from one to two dollars a year. These societies—the Phi Alpha, the Sigma Pi, the Gamma Nu and the Philologian—hold their meetings on Friday evenings, and students of Illinois College or Whipple Academy are eligible to membership. Each of the societies has a library—of which mention has been made above—and a commodious hall, tastefully furnished and devoted entirely to its use.

RELIGIOUS EXERCISES.

The institution is conducted as a Christian College. In the instruction of youth, those minor matters on which good men differ are not made subjects of discussion; but the faculty considers the great characteristic doctrines of Christianity as fundamental in morals, as the law of gravitation in physical science. These doctrines will be so treated on all occasions. Parents may rest assured that instructors will labor to cultivate not only scholarly tastes, but also Christian character in those committed to their care.

Daily religious exercises, consisting of reading the Scriptures, singing and prayer, at which some member of the faculty officiates, are held in the College Chapel. All students living on the college premises, and all other students whose duties require them to be at any college exercises during the hour immedi-

ately preceding or following prayers, are required to attend these exercises.

THE CHRISTIAN ASSOCIATION

of faculty and students was organized in 1882. Commodious rooms in the Jones Memorial Building are devoted to the uses of the association. Here, under the charge of students, are held, on Sunday and during the week, various meetings for conference, prayer, missionary inquiry, and bible study. The influence of the association upon the religious life of the institution is most beneficent.

DISCIPLINE AND GENERAL RULES.

In case of deficiency in scholarship, negligence in study, irregularity in attendance upon the exercises of the institution, or improper conduct, the student will be promptly admonished, and his parent or guardian informed of the fact. It is the object of this arrangement to keep parents and guardians accurately informed with regard to their sons and wards in the institution, and thus secure their co-operation with the faculty in a mild system of discipline. Whenever it is ascertained that a student is deriving no advantage from his connection with the institution, or is pursuing a course injurious to himself or fellow students, his parent or guardian will be promptly addressed on the subject, and requested to remove him from the institution.

Regularity in attendance upon college exercises is regarded as absolutely essential to the progress of the student, and visits at home, or elsewhere, which

break in upon such duties should be avoided as much as possible. Previous permission from the class officer in case of leaving the town will be insisted upon.

Students once entered are considered members of the college until graduated or regularly dismissed, and are therefore required to be present on the first day of each term, unless excused by the faculty.

Special attention is called to the following rules:

I. No student shall be considered a member of any college class who is deficient in a greater amount of work than is regularly finished in one college year, at the rate of one recitation per day.

II. For making up conditions, a student shall be allowed a definite period, to be fixed by the instructor, not exceeding two terms, the summer vacation counting as one term. But any student who enters college with the maximum number of conditions (see Rule I.) may be allowed until the first day of the first term of the next college year to remove them.

III. If any condition be not removed at the end of the allotted time, the student shall be required to take the study with a class, at the earliest opportunity, and such a study shall take the precedence of all other work. Failure to comply with this rule shall forfeit the student's membership in his class.

IV. Students who have lost standing in any class in accordance with Rule III. will not be allowed to pursue further studies with that class except for special reasons, and by unanimous vote of the faculty.

V. Students will not be allowed to take more than the usual number of studies, or be passed in any study

by examination alone, except for special reasons, and by vote of the faculty.

DIVISION OF THE YEAR.

The college year is divided into three terms, as follows:

The FIRST TERM begins on the second Tuesday in September, and ends on the Friday before Christmas.

The Christmas recess begins on the day after the First Term closes, and continues two weeks.

The SECOND TERM begins at the close of the Christmas recess (Registration Day on Monday), and continues eleven weeks.

The THIRD TERM begins at the close of the Second Term, and continues till COMMENCEMENT, which occurs on the second Thursday in June.

The SUMMER VACATION extends from Commencement to the second Tuesday in September.

EXPENSES.

The charges payable to the College Treasurer are as follows:

Tuition for First Term.....	\$21.00
“ “ Second Term.....	16.00
“ “ Third Term	13.00

The above figures include all regular charges, except a library fee of \$2.00 per year. There are no incidental expenses except for materials actually used in laboratory work.

Room Rent in Crampton Hall, First Term....	\$10.00
“ “ “ “ Second Term..	10.00
“ “ “ “ Third Term...	8.00

The charge for room rent includes fuel, as Crampton Hall is heated by steam.

Tuition and room rent will be collected by the term. No smaller division of the year will be recognized. For private examinations a special fee of two dollars is charged.

Each student occupying rooms in Crampton Hall is required to deposit with the Treasurer five dollars at the beginning of each term, to be applied by him to the payment of gas bills and damages during the term. Any money not so applied will be returned to the student at the close of the term, or at such time as the student may have leave of absence for the remainder of the term.

Students vacating rooms for any cause are required to remove their furniture within one week.

Crampton Hall is lighted with gas, each room being supplied with a meter, so that its occupants pay for exactly what they consume. The expense for gas for each student averages twenty cents per week.

Payment is required in advance for each term, but not with the intention of excluding any worthy student who is really unable to comply with this regulation. If any student is unable to pay in advance, he will call immediately on the President, state his case to him, and obtain from him a permission to the Bursar to grant such indulgence as the case may seem to require. On receiving such permission the Bursar may settle with the student in accordance therewith, and grant him the certificate necessary to admit him to recitation.

BOARD.

Students may obtain board at the College Commons. This is well supplied by the College with all the necessary table and other furniture, and the students obtain good board at its actual cost. The price of board is estimated at \$2.50 per week. The cost of board in private families, with furnished room, per week, is from \$3.50 to \$4.50. It will thus be seen that the entire

ANNUAL COLLEGE EXPENSES

of a student who rooms in Crampton Hall are as follows:

Tuition	\$50.00
Room Rent	28.00
Light	7.40
Board	88.80
Text Books and Society Fees, average	15.00

Total\$182.20

Of other personal expenses, as for washing, clothing and traveling, no estimate can be made. These depend upon the tastes, habit and economy of the student.

IN CRAMPTON HALL

the annual expense has been reduced to a rate so low as to bring a thorough collegiate education within the reach of any young man of ability and energy. The accommodations are far superior to those of ordinary college dormitories. Each suite of rooms, consisting of a study room fifteen feet square, and a

bedroom eight by twelve, is occupied by two students. The study room is furnished with a large study table, and the bedroom with a double woven wire mattress bed, as permanent articles of furniture. Other articles of furniture, such as chairs, wash-stands with appurtenances, and bedding, are furnished by the students themselves at light expense, especially as in many cases they may be brought from home.

Choice of rooms is given by seniority to the College classes, and subsequently to students of Whipple Academy, in the order of application; provided, that if any benefactor of the college has a memorial room in the building, he is entitled to locate his son or near relative in such room. Application for such places should always be made in advance, that the rooms may be reserved. Early application should be made by those wishing to secure rooms in Crampton Hall, as the building is usually full at the opening of the college year. A deposit of two dollars is required of each student in order to secure a room, and the same is deducted from the rent of the following term; but is forfeited in case the room is not occupied by such student.

THE NEW GYMNASIUM.

Through the generosity of alumni and other friends of the institution, a large and tasteful building, carefully designed for gymnasium uses has been erected and equipped at a cost of over twenty thousand dollars. Facilities unequalled at present by those of any other college gymnasium in the state can now be offered. Regular exercise will

be prescribed and directed by a competent instructor. No student's health is properly guarded, no education is complete without wise physical training. Its aim is to reveal and remedy individual weaknesses, to increase vigor and to secure a bodily reserve for the mental strain of life. To the gymnasium many attractions will be added to make a popular yet safe resort in leisure hours. Among other features will be a memorial room for pictures and relics connected with the history of the college. A collection of these is begun, and its growth in size and interest will depend upon the active co-operation of students and alumni.

SCHOLARSHIPS.

The trustees would call the attention of young men of limited means to the following statement of scholarships, founded by benevolent individuals:

THE CHRISTIAN ENDEAVOR SCHOLARSHIP, established by the Christian Endeavor Societies of the Congregational church, the Westminster Presbyterian church, the State Street Presbyterian church, the Christian church, and the Baptist church of Jacksonville; the First Congregational church of Springfield; the Congregational church of Chandierville, and the Congregational church of Alton.

In filling this Scholarship, preference will be given to a Christian Endeavorer and to the nominee of the contributing societies.

THE HENRY HASKINS OUSLEY MEMORIAL SCHOLARSHIP, established by Mrs. Ella L. Brainard, of Lincoln, Ill., in memory of her father.

THE FRANK L. TRUE MEMORIAL SCHOLARSHIP, established by Lyman W. True, of Jacksonville, in memory of his son.

THE HUBBARD SCHOLARSHIP, entitling one student to enjoy the privileges of the institution free of charge.

THE ELLIS SCHOLARSHIPS, securing a like privilege to two students, and paying part of the bills of a third.

THE BARSTOW SCHOLARSHIP, the WOLCOTT SCHOLARSHIP, and the HOLMES SCHOLARSHIP, each securing the privileges of the institution to one student.

THE ABEL SCHOLARSHIPS, offering free tuition to two students preparing for the ministry.

All these funds are designed by their generous founders to aid young men of promising talents in obtaining a thorough classical education at the college. None will be permitted, in any case, to enjoy the benefits of them who are not of good moral character, of decidedly promising talents and attainments, and in such circumstances as to need aid in defraying expenses of their education; nor any who belong to secret societies, or use tobacco, or who do not comply with the regulations of the institution. Incumbents falling below an average grade of 80 per cent. or below 70 per cent. in any study, will forfeit their scholarships. An honorable dismissal will not be given to any holder of a scholarship until he has either completed the course of study required for the degree of Bachelor of Arts, or has refunded whatever he has received from his scholarship, with interest. But if he honorably completes the course of

study, he is released from all obligations to refund what he has received.

PRIZES.

A fund of two hundred and fifty dollars has been given to the College by MR. H. H. HALL, of Jacksonville, the annual income of which will constitute a first prize of ten dollars and a second prize of seven dollars for orations by members of the Junior class.

A fund of one thousand dollars has been given by MR. THOMAS SMITH, of Hartford, Conn., the income of which, for the coming year, will be applied as follows:

A first prize of fifteen dollars and a second of ten dollars, for declamations of English prose by members of the Freshman class.

A first prize of ten dollars and a second of five dollars, for English compositions by members of the Sophomore class.

A prize of fifteen dollars for the best standing in the mathematics of the Freshman year.

It is expected that the HALL PRIZES and the SMITH PRIZES will be expended for books subject to the approval of the faculty.

A prize of twenty-five dollars has been founded by REV. W. E. CATLIN, of the class of 1845, and named the IRELAND PRIZE, in honor of his classmate, the Rev. Wm. Ireland. It will be awarded annually to that member of the Senior class who presents the best paper on some subject in connection with the department of mental and moral philosophy.

Donors, who wish their names withheld, have

established a first prize of twenty-five dollars, and a second prize of fifteen dollars, for the best and second best summaries of the doctrines taught in the course of philosophical lectures for the current year by Professor Hiram K. Jones.

The above named prizes are offered each year to the several classes. The faculty is authorized, however, to withhold the prizes in any instance in which reasonable competition is not manifested by the members of the class entitled to compete.

No student will be allowed to compete for a prize in studies which he does not pursue with his class at the regular time.

SCHOLARSHIP PRIZES.

Illinois College offers the following scholarship prizes for the ensuing year, to be awarded at the examination for admission, September 12 and 13, 1898:

1. A scholarship prize of forty-five dollars (\$45.00) to the student who shall obtain at the examination for admission the highest average in all the subjects required for admission to the Freshman class in the Classical course of study.

2. A scholarship prize of forty-five dollars (\$45.00) to the student who shall obtain the highest average in all the subjects required for admission to the Freshman class in the Philosophical course of study.

3. A scholarship prize of forty-five dollars (\$45.00) to the student who shall obtain the highest average in all the subjects required for admission to the Freshman class in the Scientific course of study.

4. A scholarship prize of fifteen dollars (\$15.00) to the student who shall pass the best examination in the English required for admission to the Freshman class.

5. A scholarship prize of fifteen dollars (\$15.00) to the student who shall pass the best examination in the Mathematics required for admission to the Freshman class.

6. A scholarship prize of fifteen dollars (\$15.00) to the student who shall pass the best examination in the Latin required for admission to the Freshman class in the Classical and Philosophical courses.

7. A scholarship prize of fifteen dollars (\$15.00) to the student who shall pass the best examination in the Greek required for admission to the Freshman class.

8. A scholarship prize of fifteen dollars (\$15.00) to the student who shall pass the best examination in the Natural Science required for admission to the Freshman class.

SPECIAL PRIZE.

In order to emphasize the importance of college training and direct attention to its value, a friend of higher education authorizes the offer of a prize of fifteen dollars (\$15.00) for the best essay on "The Value of a College Education." All essays in competition for this prize must be sent to the President of Illinois College on or before September 1, 1898. The committee of award will consist of three persons selected from the faculty of Illinois College, and their decision will be announced about October

1, 1898. The writer of each essay submitted must be a member of the senior (graduating) class of a high school during the school year of 1897-8, and at the time of the award must be a student in Illinois College or Whipple Academy.

Each essay should be limited to 1,500 words, and should be signed with a fictitious signature and accompanied by a sealed envelope containing the writer's name and the name of the school which he attended during the year 1897-8. The prize will be paid in money as soon as the award is determined.

It is hoped that this prize will help to promote a closer relation between the college and the secondary schools.

APPOINTMENTS FOR COMMENCEMENT.

JUNE 10TH, 1897.

Ora T. Fell, *Valedictory, High Oration*... Jacksonville
 Frederick Joy Fairbank, *Salutatory, High Oration*... Jacksonville
 John Austin Bradley, *High Oration*... Lee, Mass
 Will George Cartlich, *High Oration*... Creston, Iowa
 Emmett William McBratney, *High Oration*... Griggsville

PRIZES AWARDED SINCE THE PUBLICATION OF THE LAST CATALOGUE.

JUNIOR EXHIBITION—HALL PRIZES.

Oration—

- 1st Prize—Frederick Chauncey Tanner, '98.
- 2d Prize—Charles Ernest Read, '98.

SMITH PRIZES.

Composition—

1st Prize—Harry Joy Dunbaugh, '99.

2d Prize—Louis Henry Schroeder, '99.

Declamation—

1st Prize—Oscar Edwin Hewitt, '00.

2d Prize—Oscar Miller, '00.

Mathematics—

Carl Owen, '00.

IRELAND PRIZE.

Lawrance E. Milligan, '97.

PHILOSOPHY PRIZES.

1st Prize—Frederick Joy Fairbank, '97.

2d Prize—Elmer David Read, '97.

ATHLETIC PRIZES.

Heavy Gymnastics—

1st Prize—Jas. G. Winterbottom, '98, W. A.

2d Prize—Walter Lee Read, '98, W. A.

Light Gymnastics--

1st Prize—Frank Raymond Wheeler, '99.

2d Prize—Byron Clary Darling, '98.

Pitner Banner—Class of '98.

Carter Banner—Class of '00.

RAMBLER PRIZES.

For the best Poem—John Thomas White, '99.

For the best Story—Frederick Orin Philbrook, '98.

SPECIAL ESSAY PRIZE.

Elbert Adrian Collins, '01.

WHIPPLE ACADEMY

Under the direction and management of the trustees of Illinois College, but maintained as a separate institution, Whipple Academy offers superior advantages in preparation for college, or training in English branches.

COURSES OF STUDY.

The following courses are maintained:

I. College Preparatory Courses: Classical, Philosophical and Scientific.

II. An Elective Course, for those wishing to prepare for college, but desiring a thorough drill in special subjects of their own choice.

III. An English Course, affording a careful training for the College Preparatory Courses, with classes also especially adapted to those desiring a good common school education, and those preparing to teach.

I. THE COLLEGE PREPARATORY COURSES:—These courses are designed to afford a complete preparation for the best colleges.

I. THE CLASSICAL COURSE:—This course covers three years, and includes a thorough training in Latin and Greek; Higher English, including Rhetoric, and careful study of a few English and American Classics; Mathematics, including Higher Arithmetic,

elementary and advanced Algebra, and Plane Geometry; Botany, and Ancient History.

2. THE PHILOSOPHICAL COURSE:—This course covers three years, and includes the same work as the Classical Course in Latin, Higher English, Ancient History and Mathematics; and gives, in the place of Greek, work in elementary science, including Botany, Zoology, Physics with laboratory work, Physiology; and a year's study of German.

3. THE SCIENTIFIC COURSE:—This course covers two years, and includes Algebra, Geometry, Rhetoric, studies in English and American Literature; one year of German or Latin; Physics with laboratory work, Physiology, Botany, Zoology, and Ancient History.

II. THE ELECTIVE COURSE:—Students not wishing to prepare for college are allowed to select such studies as they desire from the regular courses, and receive the diploma of the Academy after completing the equivalent of two years of work above the common branches. This course meets the wants of a large class of young men who wish to prepare themselves thoroughly to begin the study of some special profession, or to get ready for teaching or for business, but who have not the time or the means for a college education.

A COURSE SPECIALLY ARRANGED FOR TEACHERS:—Classes will be arranged each term for the benefit of teachers who wish to review their studies, and to prepare for examinations for first or second grade certificates. In the winter and spring terms a class will be formed for the study of Pedagogy, in which special attention will be given to the illustration and

discussion of the best methods of teaching and discipline. Compayre's History of Pedagogy and Compayre's Lectures on Teaching will be used as textbooks, and supplemented by lectures, by suggested collateral reading, and by class discussions.

III. THE ENGLISH COURSE:—Experience shows that many students fail in their preparatory or college work because of insufficient knowledge of the elementary branches. These subjects are poorly taught in many schools, and boys of thirteen years old and upward frequently attend their home schools for years without making much progress. Many persons have sent such pupils to Whipple Academy, and have been pleased with the work done here. Besides these, many young men, whose early opportunities have been slight, wish a more rapid and thorough review of the English branches than they can get in the common schools. Many students are prepared to take advanced work in some studies, but need to review one or two of the elementary branches.

For the accommodation of all of these persons, the Academy offers one or more classes each term in the following subjects: Arithmetic, English Grammar, Geography, United States History, Civil Government, Reading, with frequent compositions, Spelling and Penmanship. Business Correspondence and Book-keeping are also taught without extra charge.

The courses of study in the Academy have been greatly extended, and it is believed that there is now offered an arrangement of studies and a choice of courses equal to those of the best secondary schools in the country. The work in Greek and Latin is up

to the highest standard. More than usual attention is paid to Higher English, ample time is given for a thorough mastery of the necessary branches of Mathematics, provision is made for a good foundation for future work in Science, and a year's work in German is added. In addition to the valuable drill afforded by the Academy literary society, regular training is given in composition and declamation throughout the entire course, by the College Professor of English and Oratory.

Boys under thirteen years old are not admitted to the Academy, except by special arrangements with the Principal. Students are assigned to such classes as they are found, by careful examination, to be best fitted for. Testimonials of character and standing in the last school attended are desired, and when these are clear and satisfactory, no examination will be required; but students thus admitted will be regarded as on trial, and may be dropped at any time from classes in which they do not perform satisfactory work.

Outline of Courses of Study.

ENGLISH COURSES.

Regular.	Special.	Teachers.
FALL TERM.		
Arithmetic.	Arithmetic.	Advanced Arithmetic.
English Grammar.	English Grammar.	Advanced Grammar.
U. S. History.	U. S. History.	Physiology.
Penmanship.	Penmanship.	Penmanship.
WINTER TERM.		
Arithmetic.	Arithmetic.	U. S. History & Geography.
English Grammar.	English Grammar.	Zoology.
U. S. History & Geography.	Bookkeeping.	Physics.
Penmanship.	Penmanship.	Pedagogy.
SPRING TERM.		
Advanced Arithmetic.	Advanced Arithmetic.	Advanced Grammar.
Advanced Grammar.	or	or
or	Advanced Grammar.	Ancient History.
Latin Lessons.	Civil Government.	Botany.
Civil Government.	Bookkeeping.	Physics.
Penmanship.	Penmanship.	Pedagogy.

One hour a week through the year in Composition and English Literature is required of all students.

Certificates of honor will be given to all who pass with a grade of at least 85 per cent. in all the studies of any of these courses.

PREPARATORY COURSES.

Classical Course.	Philosophical Course.	Scientific Course.
JUNIOR YEAR,		
FALL TERM.		
Latin Lessons.	Latin Lessons.	Physiology.
Algebra.	Algebra.	Algebra.
Elementary Rhetoric.	Elementary Rhetoric.	Elementary Rhetoric.
WINTER TERM.		
Latin Lessons.	Latin Lessons.	Physics.
Algebra.	Algebra.	Algebra.
English Literature.	English Literature.	English Literature.

SPRING TERM.

Latin: Cæsar.	Latin: Cæsar.	Botany.
History: Eastern Nations and Greece.	History: Eastern Nations and Greece.	History: Eastern Nations and Greece.
Botany.	Botany.	Physics.

One hour a week in Composition and English Literature is required of all students through the spring term.

MIDDLE YEAR.

FALL TERM.

Latin: Cæsar and Composition.	Latin: Cæsar and Composition.	The Scientific Course is finished in two years. See Senior Year.
Geometry.	Geometry.	
Greek Lessons.	Physiology.	

WINTER TERM.

Latin: Cicero and Composition.	Latin: Cicero and Composition.
Geometry.	Geometry.
Greek Lessons & Anabasis.	Physics.

SPRING TERM.

Latin: Cicero and Composition.	Latin: Cicero and Composition.
Geometry.	Geometry.
Greek: Anabasis and Composition.	Physics.

SENIOR YEAR.

FALL TERM.

Latin: Ovid and Vergil.	Latin: Ovid and Vergil.	Latin or German.
Greek: Anabasis and Composition.	German.	Roman History.
Roman History.	Roman History.	Geometry.

WINTER TERM.

Latin: Vergil.	Latin: Vergil.	Latin or German.
Greek: Homer's Illad.	German.	Geometry.
Greek History and Classical Geography.	Zoology.	Zoology.

SPRING TERM.

Latin: Vergil.	Latin: Vergil.	Latin or German.
Greek: Homer's Illad.	German.	Geometry.
Advanced Algebra.	Advanced Algebra.	Advanced Algebra.

One hour a week in Declamation and Composition is required of all students through the year, and an essay each term for the fall and winter terms.

Scope and Methods of Instruction.

The following statements will explain the scope and methods of instruction in the various subjects of study:

GREEK.

The study of Greek is begun in the Middle year and continues two years. In the first year Gleason & Atherton's First Greek Book is used, the first two terms being devoted to thorough drill in forms, vocabularies and simple syntax, accompanied by daily practice in oral and written translation from Greek into English and English into Greek. In the third term Book I. of Xenophon's *Anabasis* (Goodwin & White) is read and reviewed with daily exercises in Prose Composition (Woodruff) and special attention to irregular verbs and syntax.

In the Senior year Books II., III. and IV. of the *Anabasis* are read and carefully reviewed with a continuation of the work in composition. This work, which occupies the first term and a few weeks of the second, is followed by the reading of three books of Homer's *Iliad* (Seymour) with study of Homeric forms, scansion and mythology.

PEDAGOGY.

A course in Pedagogy is offered to students of the Teachers' course continuing through the winter and

spring terms. It aims to give a knowledge of the history of education, of the lives and methods of noted educators, of mental processes and the laws relating to mental growth and the development of mental power, and to assist in the formation of just opinions on theories and methods of teaching, and of school management. Compayre's History of Pedagogy and Compayre's Lectures on Teaching will be used as text-books, and these will be supplemented by lectures, by suggested collateral reading, and by class discussions of methods of teaching and systems of education.

BIBLE STUDY.

The courses of study in the English Bible offered to College students are open to mature students of the Academy, and these are not only permitted to take up the work but are advised to do so. The course aims to give a good general knowledge of the character and contents of the Scriptures, using the Bible as a text-book, and supplementing it by lectures and suggested collateral reading. The course for 1898-9 is outlined on page 60.

HISTORY.

In the spring term of the Junior year, Myers's Eastern Nations and Greece is studied; in the fall term of the Senior year, Leighton's Roman History; and in the winter term of the Senior year, Montgomery's English History.

The object of the course is to prepare the student for the study of Mediæval and Modern History, and

to furnish a basis for the study of Political Economy and Constitutional Development. In addition to the work of the text-book, lectures are given, and other reading suggested and topics assigned for special study and investigation.

LATIN.

The course in Latin extends over three years. The aim of the course is to give the student a thorough knowledge of forms, syntax and prosody, and accuracy and facility in translation.

In the first year, two terms are given to the study of Etymology, Tuell and Fowler's First Latin Book being the text-book. Free use is made of blackboards, and the progress of the students tested by frequent written examinations. In the spring term, Cæsar is begun, the class using Johnston's revision of Lowe and Ewing's Cæsar, studying the introduction, and reading thirty chapters of Book I., and all of Book II. In connection with this there is daily practice in writing Latin, and a thorough study of all grammatical references with the use of Allen & Greenough's Grammar.

In the second year, Cæsar is continued, the class reading Books III. and IV., and reviewing the whole. Prose Composition is continued, and the First Latin Book is thoroughly reviewed. In the winter term Cicero is begun, the class using Johnston's Cicero, and the four orations against Catiline are read. In the spring term two other orations of Cicero are read, equivalent to the four against Catiline.

In the third year, twelve weeks of the fall term are

spent in reading selections from Ovid. During the remainder of the school year the first six books of Vergil's Aeneid are read. In the reading of these authors, careful attention is given to scanning, and to the explanation of grammatical, mythological, and historical references. Kelsey's Ovid and Greenough's Vergil are the text-books used.

MATHEMATICS AND PHYSICS.

1. *Elementary Algebra: Stringham's Smith's Elementary Algebra.* This work takes the pupil by well-graded steps to quadratics. There is much drill work and rapid work for the securing of facility in the mechanical processes. The text is supplemented by problems from other books and from sets of examination papers; fall and winter.

2. *Advanced Algebra: Stringham's Smith's Elementary Algebra.* This work takes up the theory of the quadratic, its solution, roots, invariant, and applications. The subject of fractional indices is considered, surds, and complex numbers. After this ratio, proportion and variation, with a miscellaneous review close the work; spring.

3. *Plane, Solid, and Spherical Geometry: Beman and Smith.* This course occupies an entire year of daily work. It proceeds by the method of leaving the student more and more to discover for himself. It is an invaluable training in logic and insight. Original work is required every day, and frequent exercises in mechanical drawing supplement the text.

4. *Elementary Physics: Nichol's Outlines.* This course is a combination of recitations, problems, and

laboratory work. The student keeps a note-book according to forms given, of over one hundred *quantitative* experiments by himself. The experimental basis thus given the laws of physics gives him a grasp on the subject; winter and spring.

GERMAN.

The aim of this course in German is to enable the student to read at sight simple prose, and to afford him considerable familiarity with the forms and vocabulary of ordinary conversation.

FALL TERM:—The work of this term is based largely upon Joynes Meissner's Grammar. Accompanying the study of syntax is daily practice in oral and written translation from English into German. The student is accustomed to the sound of the German, and is required to give the utmost attention to securing a correct pronunciation. The reading of simple selections from Super's Elementary German Reader is early introduced, together with the memorizing of short stories and poems. The formal study of the grammar is continued through the term, during which the elements of etymology and syntax are acquired.

WINTER TERM:—The reading and translation of the more advanced portions of Super's Reader occupy a large part of this term. The work of acquiring a vocabulary is emphasized. Facility in translation from English into German is sought by the use of passages based upon the subject matter of the Reader. Students are also expected to reply to simple questions in short, correct German sentences.

SPRING TERM:—The general character of this

term's work is similar to that of the preceding. Increasing stress is laid upon the acquiring of facility in conversation, and the use of English in the class room is gradually supplanted by German. Selections from the prose of modern writers are read.

NATURAL SCIENCES.

Physiology: Walker's Physiology is used as a text-book, supplemented by the study of the skeleton and charts, by such demonstrations and dissections as are practicable, and by lectures and suggested outside reading. Fall term.

Zoology: Colton's Practical Zoology and Packard's Briefer Course are the text books used. In addition to the text-book work, typical forms are taken up for special study, and students are taught to observe and study the object itself. Winter term.

Botany: Gray's School and Field Book of Botany is used. The work takes up the structure and forms of plants, and leads up to the system of classification. Each student collects, mounts and classifies sixty species of plants, including all the simpler orders as far as Compositæ.

ENGLISH.

The work in English extends over three years. In the first year the recitations are daily. Some of the simpler works of American Literature are studied, and attention is given to composition and to the elements of Rhetoric. During the remainder of the course the recitations are weekly. The second year is given to reading English authors, with some study

of the History of English Literature. In the last year two terms are devoted to drill in declamation, and one to further practice in composition. For the work in declamation the Whipple Prizes are offered. See page 97. For the Senior work in composition the Smith Prize is offered. See page 97.

The aims of the course are to give the student a general acquaintance with the field of English Literature, and a careful acquaintance with a few representative works, and to enable him to speak plainly and write correctly. Correctness in spelling and Grammar is insisted on.

ENGLISH COURSES.

Arithmetic: Wentworth's Grammar School Arithmetic, Wentworth's and Hill's Problems. The work in this branch, denoted Advanced Arithmetic, and offered to teachers in the fall term, will be a thorough practical review of the whole subject. Students in the English courses proper will spend the fall and winter terms in going over the subject with a text-book; the spring term will be devoted to a review of the whole subject, using a manual of problems as a basis.

Grammar: Maxwell's English Grammar. In the English courses the fall and winter terms will be given to text-book work on Orthography, Etymology, and Syntax. The spring term's work will be a complete review of all the previous work, with especial emphasis on syntax and the general structure of the language. In the fall term teachers will be offered the complete course covered by the English students

in the whole year, and the same again in the spring term. The equivalent of fifteen minutes each day will be given to English composition during the year.

United States History: Fiske's History of the United States. A thorough text book will furnish a basis of facts, to be supplemented by reference to short works on special topics, and by papers written and presented to the class by the instructor, discussing the political and industrial history of the country. The work in the winter term will be a thorough review, and is also offered to those who have studied the subject and wish a review preparatory to teaching.

Geography. One hour per week during the winter term, a review, using any text-book.

Civil Government: Fiske's Civil Government in the United States. A description of town, city, county, state, national governments; also a brief historical outline of their growth, to be filled in by a limited amount of supplementary reference work. Special attention will be paid to the civil government of Illinois.

Bookkeeping: Gay's Business Bookkeeping. A short course in single entry followed by double entry. The aim in this department is to furnish the theoretical and practical knowledge of the subject necessary to manage the books of any ordinary mercantile business.

Penmanship. A class in practical penmanship will be taught from four to seven weeks each term.

Beginning Latin: Tuell and Fowler's Latin Lessons. In the spring term Latin may be begun by such students as wish to take up the preparatory

courses the following fall. This work of one term will be a great help in mastering the rudiments of Latin taught in the Junior year.

PHYSICAL CULTURE.

Young men engaged in study need regular and systematic physical training, and the Academy is now better equipped in this respect than any other institution in the state.

Students in the Academy have access to the new gymnasium of the College at stated times, and have regular training there daily under a competent instructor. The bath rooms are also at their disposal under certain regulations.

Tennis courts, foot-ball and base-ball grounds afford ample opportunity for outdoor exercise suited to each student.

ANNIVERSARY EXERCISES.

The anniversary exercises of the Academy are held on Monday of Commencement week.

Certificates of graduation are given to all who complete the regular courses of the Academy. These certificates entitle the holder to enter the Freshman class of Illinois College without further examination.

Certificates of graduation are also given to all who, following an elective course, have passed in 18 units of work above the common branches, a term's work in a regular study of any of the courses counting as a unit. These certificates do not admit to the College. A charge of two dollars is made for graduation.

The graduating exercises consist of essays deliv-

ered *ex memoria* and declamations. The class is generally too large for all to take part, and eight students are appointed to represent the class. The appointments are made by the faculty, who take into consideration: 1st, general proficiency in the studies pursued; 2d, special proficiency in rhetoric and elocution; 3d, gentlemanly conduct throughout the course.

The following appointments were made for 1897:

Allan Farrell Ayers.	Charles Clinton Clement.
Frederick Coffin Coleman.	Dwight Beverly Eames.
Benjamin Kirby.	George Jackson Kneeland.
Victor Walfred Nelson.	

PRIZES.

During the year 1898-9, prizes will be offered as follows:

To the Senior class in all courses: The WHIPPLE PRIZE for declamation: 1st prize, ten dollars, 2d prize, seven dollars. To the Senior class: The SMITH PRIZE of fifteen dollars, for the best essay and work in composition during the year.

All prizes are awarded in books, chosen by the successful student and approved by the Principal.

PRIZES AWARDED SINCE THE PUBLICATION OF THE LAST CATALOGUE.

WHIPPLE PRIZES, 1897.

1st Prize—George Jackson Kneeland, Griggsville.
2d Prize—Frederick Coffin Coleman, Jacksonville.

SMITH PRIZE, 1897.

Charles Clinton Clement, Greenfield.

LITERARY SOCIETIES.

The Academy students maintain an excellent literary society, the Philologian, which meets on Friday evening of each alternate week. It is open to all students over fifteen years of age, and affords effective and thorough training in declamation, essay-writing, debate, and parliamentary usage.

EXPENSES.

TUITION.—The charges for tuition in the Academy are as follows:

Fall Term.....	\$18.00.	English Course	\$15.00
Winter Term.....	15.00.	“ “	12.00
Spring Term	12.00.	“ “	9.00

This charge includes tuition, incidentals, gymnasium, baths, laboratories, etc. There are no extra charges of any kind, except a library fee of \$2 a year.

Term bills are due on the first day of each term. Students entering after the middle of a term will be charged for but half a term. No fees will be refunded except in cases of sickness. In this event the student will procure from a physician a certificate of his inability to remain in school, when half the amount paid will be refunded, if application is made before the middle of the term.

ROOMS AND BOARD.—In order to reduce expenses, and bring a good education within the reach of any young man of ability and energy, Crampton Hall was built in 1874. It will accommodate fifty students. The accommodations are far superior to those of ordinary dormitories. The rooms are large, well lighted, heated by steam, and provided with gas for

lighting. The rooms are carefully inspected every month, and kept in good order. Two of the instructors have rooms in the Hall, and it is managed so as to make this an attractive home for young men. The rooms are rented at a cost just sufficient to cover fuel and repairs.

Each suite of rooms consists of a study room fifteen feet square, and a bedroom twelve by eight, and is occupied by two students. The study room is furnished with a large study table, and the bedroom with a woven wire mattress bed. Other articles of furniture may be brought from home or may be purchased in Jacksonville.

A list of articles needed to furnish the rooms has been prepared, and will be sent on application.

Each student should have a Bible and a good dictionary; and it is desirable that he be provided with such papers or other reading matter as shall be profitable and appropriate for Sunday.

Room rent for First term, \$10; Second term, \$10; Third term, \$8.

The rooms are generally all engaged by the opening of school, and it is best to secure a room as early as possible. A deposit of two dollars sent to the Principal will secure a room, and the two dollars will be credited on the rent for the term, but will be forfeited in case the person does not occupy the room. Students rooming in Crampton Hall board at the College Commons. Here an excellent table is kept up, and the students pay only the actual cost, which is about \$2.50 per week.

Many of the students take furnished rooms near

the Academy, paying from 75 cents to \$1.25 per week, and take their meals at the club.

The Principal will aid the students in finding pleasant and economical boarding places. Board and furnished room in private families cost from \$3.50 to \$5.00 per week.

AID TO STUDENTS.

To aid worthy students in obtaining an education, the WHIPPLE SCHOLARSHIP and BISHOP SCHOLARSHIP have been founded, each paying the tuition and incidental expenses of the student. A limited number of students not able to pay the full charge for tuition can have such a reduction as may be considered necessary.

Aid will be withdrawn from any student who does not maintain an average grade in all his studies of at least 80 per cent., or who falls below 70 per cent. in any study.

Students admitted free of tuition, who leave before completing the full course, are expected to pay the tuition for the time they are in the Academy.

Besides the direct aid afforded, the Principal will be glad to assist in finding remunerative employment for those who wish it. Every year some of the best students find work, either in the Academy or in some of the homes of Jacksonville, by means of which they materially aid themselves in securing an education.

REGULATIONS.

Academy students are required to attend morning prayers.

Careful records are kept of the attendance and scholarship of students, and reports are sent to parents at the close of each term. Satisfactory excuses must be given for all absences.

In order to continue in a class, a grade of not less than 60 per cent. is required. If a student does not maintain this grade he will be admonished, and if, after due trial, he is still unable to do the work he will be dropped from the class.

No student will be allowed to remain in the Academy who does not give evidence of diligent study, or who is unwilling to yield a cheerful obedience to the regulations of the institution.

Students not residents of Jacksonville are not allowed to leave the city at any time without permission previously obtained from the Principal.

The use of tobacco by students of the Academy is strongly discouraged, and at the request of parents will be strictly prohibited in the case of their sons.

Recitations are conducted from 8:15 A. M. to 3:30 P. M., in separate recitation rooms. The Academy Study Hall, a pleasant and commodious room, is used for study and assistance in the preparation of lessons. An instructor is always in charge, who gives his whole attention to individual instruction and explanation. This has proved a valuable feature of the work of the Academy, supplementing the work of the classroom, and giving students the advantage of private instruction. Attendance is required unless excused by the Principal, and absences are reported as strictly as absences from recitations.

PROGRAM

ILLINOIS

CLASS.	SEC.	8:15	9:30	10:30
SENIOR.	ALL.	Logic, Evidences of Christianity. M., Wed., Fri.	<i>Philosophy, Psychology, Psycho-Physics, Moral Science.</i> Daily.	Economics, Civics, Sociology. Daily. English, 10, 11. Daily. Botany, 5. Daily. Mathematics, 3. Daily.
JUNIOR.	ALL.	Logic, Evidences of Christianity. M., Wed., Fri.	<i>History, 2. (Fall.) Daily. English, 4. (Winter & Spring.) Daily.</i>	Mathematics, 3. Daily. Greek, 1, 2, 3, 4, 5, 6. Daily. English, 10, 11. Daily. Botany, 5. Daily.
SOPHOMORE	Clas.	<i>History, 1. Tu., Th. English, 3. Mon., Wed., Fri.</i>	<i>Livy, Horace, Cato Maior, Laellus.</i> Daily.	Mathematics, 3. Daily. Greek, 1, 2, 3, 4, 5, 6. Daily.
	Phil.	<i>History, 1. Tu., Th. English, 3. Mon., Wed., Fri.</i>		Vergil—Cicero, 3-5. Daily.
	Sci.	<i>History, 1. Tu., Th. English, 3. Mon., Wed., Fri.</i>	German, 1. * Mon., Wed., Fri.	
FRESHMAN.	Clas.	Latin Lessons, 3-5. Daily. Mathematics, 1a. Tu., Th. Mathematics, 1b, 1c. Mon., Wed., Fri. Greek Lessons, 3-5. Daily.	<i>Latin.</i> Daily.	<i>Greek, 1, 2, 3, 4, 5, 6. Daily.</i>
	Phil.		<i>Latin.</i> Daily.	
	Sci.		German, 1. * Mon., Wed., Fri.	Vergil—Cicero, 3-5. Daily.

 Chapel: 9:10 to 9:25 Daily. Bible, 2, 3:30 Monday.

 All required subjects in *italics*.

*German 1 is required of Scientific Freshmen who offer Latin at entrance; German 2a, 3a, 4a of those who offer German at entrance.

OF STUDY.

COLLEGE.

11:30	1:30	2:30	3:30
History, 3, 4, 5. Daily. Botany, 3. Fri. Botany, 4. Mon., Wed. Zoology, 4. Tu., Th.	English, 6. Mon., Wed., Fri. Zoology, 2. Daily. History, 8, 9. Tu., Th. Mathematics, 5. Tu. Th. Mathematics, 8. M., Wed., Fri.	Mathematics, 16. English, 14. Mon., Wed., Fri. (Spring) Greek, 7, 8, 9. Mon., Wed., Fri. German, 5, 6, 8. Tu. Th.	Mathematical Society. Tu.
History, 3, 4, 5. Daily. French, 1, 2, 3. Mon., Wed., Fri. Latin, 1, 2, 3. Daily.	English, 6. Mon., Wed., Fri. Zoology, 2. Daily. Mathematics, 5. Tu., Th. History, 8, 9. Tu., Th. Mathematics, 8. M., Wed., Fri. Chemistry. Daily.	English, 14. Mon., Wed., Fri. (Spring) Greek, 7, 8, 9. Mon., Wed., Fri. German, 5, 6, 8. Tu. Th.	English, 5. W. Mathematical Society, Tu.
French, 1, 2, 3. M., Wed., Fri. Latin, 1, 2, 3. Daily. German, * 2a, 3a, 4a. M., W., F. French, * 1, 2, 3. M., W., F.	English, 6. Mon., Wed., Fri. History, 8, 9. Tu. Th. Chemistry. Daily.	Biology, 2. Mon., Wed., Fri. Biology, 2. Mon., Wed., Th. Greek, 7, 8, 9. Mon., Wed., Fri. German, 5, 6, 8. Tu. Th.	Biology, 2. M., Wed., Fri. Math. Society. Tu. Biology, 2. M., Wed., Th.
German, 2, 3, 4. Daily.	English, 1. Mon., Wed.		English, 2. F.
German, * 2a, 3a, 4a. Mon., Wed., Fri.	English, 1. Mon., Wed.	Biology, Daily.	English, 2. F. Biology. Mon., Tu., W., Th.

*German 2a, 3a, 4a is required of Scientific Sophomores who have had only German 1, and of Scientific Freshmen who offer German at entrance. French 1, 2, 3 is required of Scientific Sophomores who have had German 2a, 3a, 4a.

PROGRAM

WHIPPLE

	CLASS.	SEC.	8:15	9:30
FALL.	SENIOR.	Clas. Phil. Sci.	Anabasis. German. } German. } Latin Lessons.	Study Hall. Study Hall. Geometry.
	MIDDLE.	Clas. Phil.	Greek Lessons. Physiology.	Geometry. Geometry.
	JUNIOR.	Clas. Phil. Sci.	Latin Lessons. Latin Lessons. Physiology.	Rhetoric. Rhetoric. Rhetoric.
	ENGLISH.	Reg. Spec. Teach.	Grammar. Grammar. Physiology.	Arithmetic. Arithmetic. Arithmetic.
WINTER.	SENIOR.	Clas. Phil. Sci.	Iliad. German. } German. } Latin Lessons.	Study Hall. Study Hall. Geometry.
	MIDDLE.	Clas. Phil.	Greek Lessons. Physics.	Geometry. Geometry.
	JUNIOR.	Clas. Phil. Sci.	Latin Lessons. Latin Lessons. Physics.	English Literature. English Literature. English Literature.
	ENGLISH.	Reg. Spec. Teach.	Grammar. Grammar. Physics.	Arithmetic. Arithmetic. Arithmetic.
SPRING.	SENIOR.	Clas. Phil. Sci.	Iliad. German. } German. } Cæsar.	Study Hall. Study Hall. Geometry.
	MIDDLE.	Clas. Phil.	Greek Lessons. Physics.	Geometry. Geometry.
	JUNIOR.	Clas. Phil. Sci.	Cæsar. Cæsar. Physics.	Study Hall. Study Hall. Study Hall.
	ENGLISH.	Reg. Spec. Teach.	Grammar. Grammar. Physics.	Arithmetic. Arithmetic. Arithmetic.

Chapel, 9:10 to 9:25 Daily. Bible, 3:30 Monday. Senior Elocution, 3:30 Tuesday. Middle Elocution, 3:30 Thursday. Coach Classes, 1:30 Daily.

OF STUDY.

ACADEMY.

10:30	11:30
Vergil. Vergil. Study Hall.	Roman History. Roman History. Roman History.
Cæsar. Cæsar.	Study Hall. Study Hall.
Study Hall. Study Hall. Study Hall.	Algebra. Algebra. Algebra.
United States History and Geography. United States History and Geography. United States History and Geography.	Study Hall. Study Hall. } Roman History. } Algebra.
Vergil. Vergil. Study Hall.	English History. Zoology. Zoology.
Cicero. Cicero.	Study Hall. Study Hall.
Study Hall. Study Hall. Study Hall.	Algebra. Algebra. Algebra.
United States History and Geography. United States History and Geography. United States History and Geography.	Study Hall. Study Hall. } Zoology. } Algebra. } English History.
Cicero. Cicero.	Algebra. Algebra. Algebra.
Cicero. Cicero.	Study Hall. Study Hall.
Botany. Botany. Botany.	Eastern Nations and Greece. Eastern Nations and Greece. Eastern Nations and Greece.
Civil Government. Civil Government. Botany.	Study Hall. Study Hall. } Ancient History. } Algebra.

When not in recitation all Academy students are due in Study Hall.

STUDENTS.

ILLINOIS COLLEGE.

GRADUATE STUDENTS.

L. S. Doane.		Jacksonville.
	B. S., Illinois College.	
W. H. Garrett.		Mendon.
	B. S., Illinois College.	
Ora Fell.		Jacksonville.
	B. S., Illinois College.	
C. W. Brown.		Jacksonville.
	B. E. E., Purdue University.	
E. B. Kirk.		Jacksonville.
	B. E. E., Purdue University.	
J. H. Hall.		Jacksonville.
	B. E. E., Rose Polytechnic Institute.	

SENIORS.

Charles Otis Boston, S.		Jacksonville.
	402 Sandusky St.	
Vincent Jacob Cohenour, S.		Pittsfield.
	22 Crampton Hall.	
Earl Gilbert Cowdin, S.		Illliopolis.
	603 North Fayette St.	
Byron Clary Darling, C.		Manitou.
	7 Crampton Hall.	
William Ezra Doane, S.		Tempest.
	19 Crampton Hall.	
John Stewart Dobyns, S.		Jacksonville.
	1030 West State St.	

Mendal Garbutt Frampton, C. 23 Crampton Hall.	Pittsfield.
Michel Huffaker Grassly, S. 857 Clay Ave.	Jacksonville.
James Cheseldine Lathrop, C. 901 West State St.	Winchester.
William Walter Moore, C. 856 West State St.	Jacksonville.
Willard Holbrook Palmer, C. 252 Park St.	Jacksonville.
Fred Oren Philbrook, C. 229 Lockwood Place.	Jacksonville.
Charles Ernest Read, C. 1030 Grove St.	Jacksonville.
William Edgar Sampson, S. 1055 West College Ave.	Tice.
Louis Henry Schroeder, C. 21 Crampton Hall.	Quincy.
Frederick Chauncey Tanner, C. 1328 Mound Ave.	Jacksonville.
William Lester Wemple, S. 1328 Mound Ave.	Waverly.

JUNIORS.

Herbert Joseph Capps, P. 823 North Church St.	Jacksonville.
Percy Grierson Capps, S. 854 West College Ave.	Jacksonville.
Howard Turner Carriel, S. 1152 West College Ave.	Jacksonville.
Myron Edward Duckles, S. 28 Crampton Hall.	Chesterfield.
Harry Joy Dunbaugh, C. 846 Grove St.	Jacksonville.
Frank Rumsey Elliott, C. 1103 West State St.	Jacksonville.

William Engelbach, S.	Arenzville.
840 West College Ave.	
Egbert W. Fell, S.	Jacksonville.
614 South East St.	
Charles Clayton Forbes, S.	Danvers.
1120 West College Ave.	
William Elihu Guy, P.	Topeka, Kan.
1132 West College Ave.	
Horace Chase Hall, S.	Chesterfield.
28 Crampton Hall.	
Robert Carroll Kennedy, S.	Jacksonville.
1042 Grove St.	
George William Curtis Parker, P.	Mt. Sterling.
21 Crampton Hall.	
Albert Hurd Rankin, P.	Jacksonville.
846 West State St.	
Charles Bradley Russell, S.	Stockbridge, Mass
1202 West College Ave.	
Jesse Blackburn Thornton, C.	Jacksonville.
513 North Church St.	
Frank Raymond Wheeler, S.	Auburn.
1025 West College Ave.	
John Thomas White, S.	Cross Plains, Tenn
1030 Grove St.	

SOPHOMORES.

Theodore Warren Beadle, S.	Greenville.
616 West College Ave.	
William Richard Blackburn, C.	Jacksonville.
518 North Church St.	
William Brown Burr, P.	Jacksonville.
225 Prospect St.	
Charles Edward Cole, P.	Jacksonville.
216 West College Ave.	
Charles David Correll, S.	Illio polis.
26 Crampton Hall.	

William Percy Duncan, S. East State St.	Jacksonville.
William Sanders Elliott, C. 1103 West State St.	Jacksonville.
Edward Henry Fulton, S. 233 Prospect St.	Jacksonville.
Oscar Edwin Hewitt, S. 232 Westminster St.	Chesterfield.
John Kearns, Jr., C. 608 West Lafayette Ave.	Jacksonville.
George Logan Kraber, S. 517 West College Ave.	Quincy.
Harvey Green McLaughlin, S. 14 Crampton Hall.	Winchester.
Archibald Lachlan McNeil, S. 652 South Diamond St.	Berlin.
Oscar Miller, S. 1106 West Lafayette Ave.	Laomi.
Eugene Greene Nelson, C. 1141 Mound Ave.	Jacksonville.
Louis Samuel Sægesser, S. 364 West College Ave.	Jacksonville.
Wilbert Hoyt Sanford, S. 717 West College St.	Jacksonville.
David Percy Strickler, S. 5 Crampton Hall.	Mendon.
Claude Unger, P. 823 West College Ave.	Naples.

FRESHMEN.

Allan Farrell Ayers, C. 906 West State St.	Jacksonville.
Charles Adams Balch, S. 17 Crampton Hall.	Palorma.
Clayton Jackson Barber, S. 20 Crampton Hall.	Cantrall.

Francis Curtis Brewer, S.	Jacksonville.
412 North Prairie St.	
Frank William Bristow, S.	Virginia.
1123 West State St.	
Cyrus Buckley, S.	Petersburg.
3 Crampton Hall.	
Frederick Clifford Carriel, S.	Jacksonville.
1152 West College Ave.	
Clarence Jasper Coffey, S.	Jacksonville.
223 East Morgan St.	
Fred Coffin Coleman, P.	Jacksonville.
420 South Main St.	
Elbert Adrian Collins, S.	Chillicothe.
26 Crampton Hall.	
Arthur Edgar Crum, S.	Virginia.
Djalma Carl Davenport, S.	Creston, Iowa.
14 Crampton Hall.	
George Dirreen, P.	Virginia.
129 Pine St.	
Harry Dickerman Dobyns, S.	Jacksonville.
1030 West State St.	
Andrew Duncan Duff, S.	Pearl.
17 Crampton Hall.	
Dwight Beverly Eames, S.	Jacksonville.
622 West State St.	
Bertrand Howard Edminster, S.	Chillicothe.
26 Crampton Hall.	
Alfred E. Fell, S.	Jacksonville.
614 South East St.	
Frank Finney, S.	Jacksonville.
647 South Diamond St.	
John Ross Frampton, C.	Pittsfield.
23 Crampton Hall.	
John Gaddie, S.	Petersburg.
Fred L. Gregory, S.	Jacksonville.
825 South East St.	

Gaven Lovejoy Hall, S. 14 Crampton Hall.	Creston, Iowa.
Thomas V. Hopper, S. 301 North Diamond St.	Jacksonville.
Benjamin Kirby, C. 843 South Church St.	Tallula.
Julius George Kirby, S. 1205 West College Ave.	Jacksonville.
Orion Frank Konantz, P. 26 Crampton Hall.	Quincy.
Bert Larimore, S. 691 East State St.	Jacksonville.
Thurman Lucas, S. 523 West State St.	Chandlerville.
William Joseph Luthringer, S. 3 Crampton Hall.	Petersburg.
Alexander Allan McDonald, C. 707 West State St.	Jacksonville.
Albert Caldwell Metcalf, S. 223 Hardin Ave.	Jacksonville.
Edwin Clide Mitchell, S. 505 West State St.	Virgil, Oklahoma.
Victor Walford Nelson, S. 9 Crampton Hall.	Chicago.
Howard Woods Read, S. 710 West College Ave.	Jacksonville.
Walter Robison, S. West College Ave.	Jacksonville.
Carroll Darwin Safford, S. 905 Grove St.	Washington, N. H.
William Sanders Sanford, C. 1328 Mound Ave.	Bunker Hill.
Arthur Elmer Sneed, P. 1141 Mound Ave.	Detroit.
George Herbert Stacy, S. 1106 South Clay Ave.	Jacksonville.

Cassius Miller Stanley, S. 872 Grove St.	Ashland.
Cash Whitney Ufford, S. 305 Woodland.	Lewistown.
Alfred Williams, S. 716 West College Ave.	Hillsboro.
Delbert Franklin Yocum, S. 1141 Mound Ave.	Williamsville.

SPECIALS.

Milem Josiah Alkire. 24 Crampton Hall.	Petersburg.
John Julian Bayne. 9 Crampton Hall.	LaSalle.
Charles Clement. 25 Crampton Hall.	Greenfield.
William Henry Cocking. 310 West North St.	Jacksonville.
Arthur Daniels Fairbank. 905 Grove St.	Jacksonville.
Frederick Franklin Garrison. 8 Crampton Hall.	Jacksonville.
Andrew Jotham Goodell. 415 West State St.	Chandlerville.
Ira Octavius Guy. 215 West College Ave.	Topeka, Kan.
George Jackson Kneeland. 1328 Mound Ave.	Chicago.
Melvin Robert Laird. 1055 West College Ave.	Maysville.
Carl Ostrom Metcalf.	Greefield.
Nathan Bennett Newcomer. 717 West College Ave.	Petersburg.
John Allen Schminck. 16 Crampton Hall	Decatur.

William Dalton Walker.	Jacksonville.
429 South Church St.	
John J. Ward.	Jacksonville.
406 South Goltra St.	

WHIPPLE ACADEMY.

SENIORS.

Lloyd Lackland Adams.	Jacksonville.
John Edmund Allen.	Hulls.
Faron Seton Anderson.	Tecumseh, Mich.
Frank Arleth.	Jacksonville.
Sandy Absalom Baptist.	Jacksonville.
Harry Benton.	Jacksonville.
Walter E. Benton.	Jacksonville.
Wilson Birkenmeyer.	Jacksonville.
Arthur Scott Bronson.	Metropolis.
Ira Scott Cohenour.	Pittsfield.
Frank Craven.	Chandlerville.
Albert Henry Dollear.	Jacksonville.
Hugh Filson.	Concord.
Thomas Scurr Foster.	Jacksonville.
Elvin David George.	Staunton.
Frederick Grage.	Jacksonville.
Ralph Benton Gray.	New Salem.
Scott Bryant Green.	Jacksonville.
Robert H. Halstead.	Jacksonville.
Robert Hockenhuill.	Jacksonville.
John Agee Jess.	Chicago.
Everett Stanley Konantz.	Quincy.
John William McHarry, Jr.	Havana.

Robert Lincoln McNeil.	Berlin.
William Wallace Mullen.	Chandlerville.
James Rauch Patten.	Jacksonville.
Matthew Morrison Patten.	Jacksonville.
Emanuel Concie Pires.	Jacksonville.
Harlan Eugene Read.	Jacksonville.
Walter Lee Read.	Jacksonville.
John Ralph Roach.	Concord.
Don Charles Sanders.	Virden.
Chris Henry Seger.	Anna.
Carl Sharrock.	Jacksonville.
Edgar Willson Smith.	Jacksonville.
Martin Leslie Smith.	Jacksonville.
LaFayette Starr.	Jacksonville.
Edwin Leroy Stimpson.	Jacksonville.
Charles Stockdale.	Lowder.
William Albert Stubbins.	Highland.
Charles Alfred Sturtevant.	Jacksonville.
Knowles Shaw Tontz.	Highland.
Jay Alton Tredick.	Chicago.
Byron L. Virgin.	Prentice.
James Gillham Winterbottom.	Jacksonville.

MIDDLEERS.

John Irwin Chambers.	Jacksonville.
Ralph Irvin Dunlap.	Jacksonville.
John Allen Lenington.	Jacksonville.
William Adams Lippincott.	Jacksonville.
Oswald Laurie McNeil.	Berlin.
Herschel Clarence Megaw.	Owaneco.
Walter Benjamin Sægger.	Jacksonville.
Cloyd Theodore Sanford.	Springfield.

Julian Monson Sturtevant.	Jacksonville.
John Antonio Vasconcellos.	Jacksonville.
Joseph Erastus Winterbottom.	Jacksonville.

JUNIORS.

Claude Daniel Adams.	Jacksonville.
Albert Crum Baxter.	Ashland.
Orris Calvin Berry.	Literberry.
Edward Herbert Bronson.	Metropolis.
Curtis William Bunce.	Jacksonville.
Glenn Aking Coffield.	Mendon.
Oral Colquitt Crum.	Virginia.
Alexander Jefferson Donavan.	Mason City.
James Mason Doolittle.	Jacksonville.
George Everett Doying.	Jacksonville.
Frank Redmond Duffey.	Jacksonville.
Frank Chalfant Forinash.	Vandalia, W. Va.
Frederick William Grassly.	Jacksonville.
Herbert Marshall Grassly.	Jacksonville.
John Harrison.	Jacksonville.
Francis Alfred Henry.	Woodson.
Ernest Hinrichsen.	Jacksonville.
G. E. Hitch.	Patterson.
James Allen Hoblit.	Jacksonville.
John Lasell Hockenhull.	Jacksonville.
Harry Richard Hofmann.	Jacksonville.
John Arthur Hofmann.	Jacksonville.
Chester Pratt Joy.	Chapin.
George Kearns.	Jacksonville.
Arthur Oliver Lindsay.	Decatur.
Homer Madden.	Monticello.
Dick A. Mitchell.	Ceres.

Duvall Emery O'Neal.	Arnold.
Charles Moore Russell.	Jacksonville.
Frederick John Scholfield.	Lynnville.
Duke Percivel Sears.	Jacksonville.
John Spink.	Chandlerville.
Ralph H. Stinson.	Jacksonville.
Spencer Stinson.	Jacksonville.
Lawrence Elmer Stone.	Lane.
Bradford Sturtevant.	Jacksonville.
Neil Taylor.	Chandlerville.
George William Watson.	Lynnville.
Timothy Elmer West.	Jacksonville.
Floyd Young.	Jacksonville.
Edwin Earl Ziegler.	Jacksonville.

ENGLISH.

James Herbert Arthurs.	Mt. Vernon.
Wilfred Smith Ayers.	Jacksonville.
Harry T. Baker.	Tallula.
Walter Funnell.	Booneville, Mo.
Harold Chandler Gay.	Jacksonville.
Francis Mason Johnson.	Jacksonville.
Edward Laning Lambert.	Jacksonville.
Edgar Lindsay.	Jacksonville.
Riley Alonzo Mansfield.	Scottville.
George Shelby Martin.	Pinckneyville, Ky.
Marshall Paul McDonald.	Jacksonville.
Homer Earl Ragsdale.	Jacksonville.
Ira Taylor.	Clinton.
Ray Ticknor.	Jacksonville.
Warren Henry Tunison.	Jacksonville.
Lathrop Huntington Ward.	Jacksonville.

Guy Benjamin Wilday.	Meredosia.
Newton Jesse Winterbottom.	Jacksonville.
Walter Edward Webster.	Pleasant Hill.

SUMMARY.

ILLINOIS COLLEGE.	WHIPPLE ACADEMY.
Graduate Students . . . 6	Seniors 45
Seniors 17	Middlers 11
Juniors 18	Juniors 41
Sophomores 19	English 19
Freshmen 44	
Specials 15	Total 116
Total 119	
Total of College and Academy 235	

CALENDAR.

1898.

April 26—Freshman Exhibition.....	Tuesday
June 3—Junior Exhibition.....	Friday
June 5—Baccalaureate Sermon.....	Sunday
June 5—Y. M. C. A. Anniversary.....	Sunday
June 6—Whipple Anniversary.....	Monday
June 6—Glee Club Concert.....	Monday
June 7—Osage Orange Day.....	Tuesday
June 7—President's Reception to Undergraduates.....	Tuesday
June 7—Class Reunions.....	Tuesday
June 8—Meeting of Trustees.....	Wednesday
June 8—Annual Alumni Meeting.....	Wednesday
June 8—Phi Alpha Reunion.....	Wednesday
June 8—Class Day.....	Wednesday
June 9—Commencement.....	Thursday
June 9—Commencement Dinner.....	Thursday
June 9—Commencement Reception.....	Thursday

SUMMER VACATION.

Sept. 12-13—Entrance Examinations.....	Monday and Tuesday
Sept. 12—Registration Day.....	Monday
Sept. 13—First Term Begins.....	Tuesday
Nov. 24-27—Thanksgiving Recess.....	Thursday-Sunday
Dec. 23—First Term Ends.....	Friday

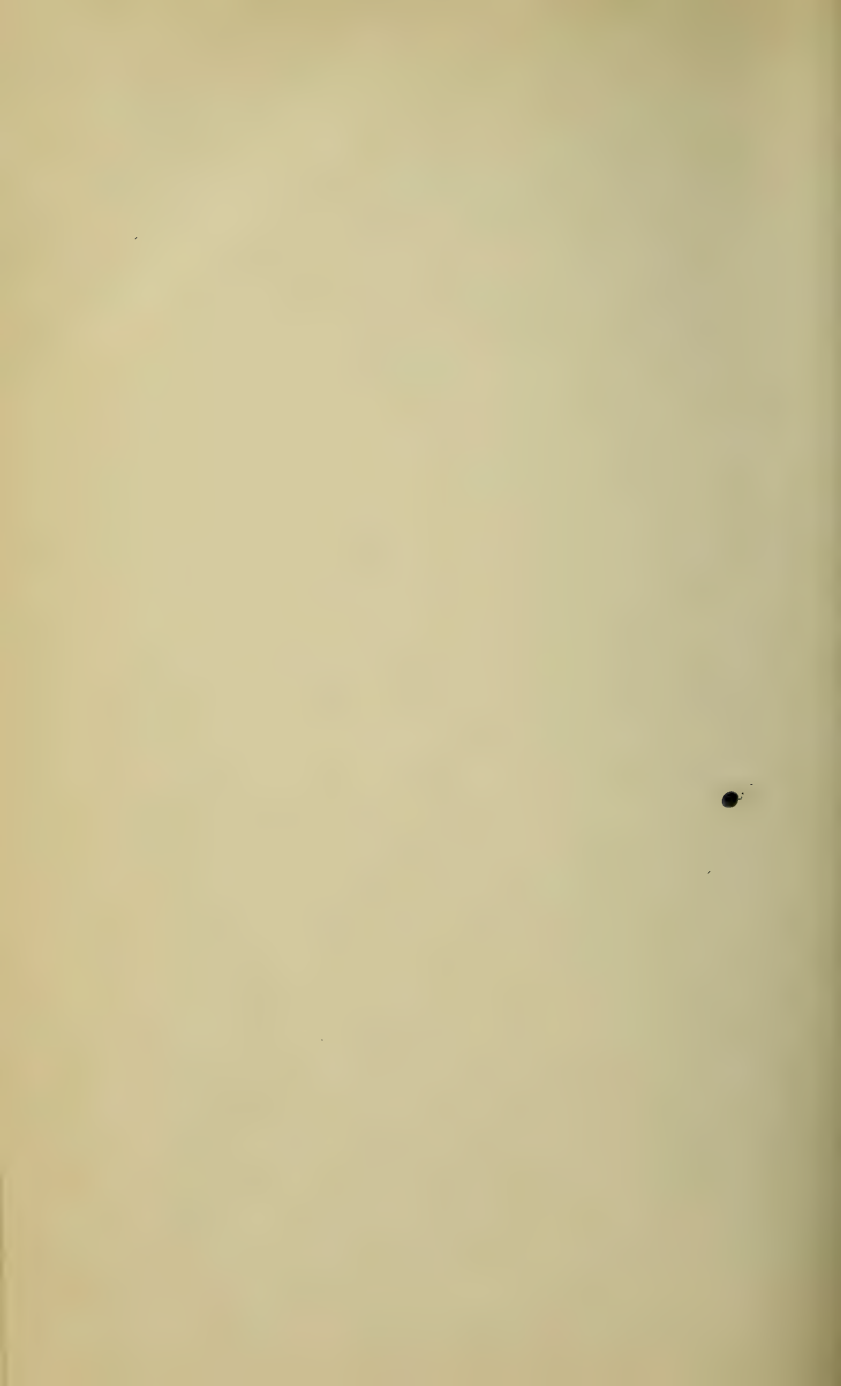
WINTER VACATION.

1899.

Jan 9—Registration Day.....	Monday
Jan. 10—Second Term Begins.....	Tuesday
Jan. 26—Day of Prayer for Colleges.....	Thursday
Feb. 17—Phi Alpha Open Meeting.....	Friday
Mch. 14—Whipple Declamations.....	Tuesday
Mch. 20—Second Term Ends.....	Monday
Mch. 21—Third Term Begins.....	Tuesday
Mch. 21—Gymnasium Contest.....	Tuesday
April 25—Freshman Exhibition.....	Tuesday
April 28—Sigma Pi Open Meeting.....	Friday
June 4—Baccalaureate Sermon.....	Sunday
June 8—Commencement.....	Thursday

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WHIPPLE ACADEMY

SEVENTY-FIRST YEAR

1899-1900

JACKSONVILLE

CATALOGUE
OF
ILLINOIS COLLEGE
AND



WHIPPLE ACADEMY

SEVENTY-FIRST YEAR

1899-1900

JACKSONVILLE

CALENDAR.

1900.

June 10—Baccalaureate Sermon	Sunday
June 10—Y. M. C. A. Anniversary	Sunday
June 11—Junior Exhibition	Monday
June 11—Whipple Anniversary	Monday
June 12—Osage Orange Day	Tuesday
June 12—Class Reunions	Tuesday
June 13—Meeting of Trustees	Wednesday
June 13—Triennial Alumni Reunion	Wednesday
June 13—Class Day	Wednesday
June 14—Commencement	Thursday
June 14—Commencement Dinner	Thursday
June 14—Commencement Reception	Thursday

SUMMER VACATION.

Sept. 10-11—Entrance Examinations	Monday and Tuesday
Sept. 10—Registration Day	Monday
Sept. 11—First Term Begins	Tuesday
Nov. 29—Dec. 2—Thanksgiving Recess	Thursday-Sunday
Dec. 21—First Term Ends	Friday

WINTER VACATION.

1901.

Jan. 7—Registration Day	Monday
Jan. 8—Second Term Begins	Tuesday
Jan. 24—Day of Prayer for Colleges	Thursday
Feb. 15—Phi Alpha Open Meeting	Friday
Mar. 19—Whipple Exhibition	Tuesday
Mar. 25—Second Term Ends	Monday
Mar. 26—Third Term Begins	Tuesday
Mar. 26—Gymnasium Contest	Tuesday
April 23—Freshman Exhibition	Tuesday
April 26—Sigma Pi Open Meeting	Friday
June 9—Baccalaureate Sermon	Sunday
June 12—Phi Alpha Triennial Reunion	Wednesday
June 13—Commencement	Thursday

TRUSTEES.

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856 W. State St.	

FACULTY AND OFFICERS.

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Collins Professor of Greek and German.
Dean of the Faculty and Acting President.

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Instructor in Mathematics.

*Resigned.

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Assistant in Preparatory Department.

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Fellow in Natural Science.

TRUMAN P. CARTER, A. M.
Professor of Physical Training.

WM. KIRBY McLAUGHLIN, A. M., M. D. 121 W. College Ave.
Physical Examiner.

THOS. H. BEERS, Room 24, C. H.
Director of Athletics.

PROFESSOR H. W. MILLIGAN, Librarian.

PROFESSOR F. W. SANFORD, Secretary of the Faculty.

MR. W. H. GARRETT, Bursar.

*Resigned.

ILLINOIS COLLEGE.

GENERAL INFORMATION.

HISTORICAL SKETCH.

Illinois College, the first institution in the history of the state to graduate a collegiate class, had its origin in a movement inaugurated in 1827 to secure the location at some point in Illinois of a seminary or college which would give the youth of the state the opportunity of acquiring a higher education. Some of the most influential factors in this movement were already citizens of Jacksonville, or contemplated becoming such. In January, 1828, the outline of a plan for such an institution was drawn up by Rev. John M. Ellis, a home missionary of the Presbyterian church, and Hon. Samuel D. Lockwood, then a justice of the supreme court of the state, as a basis for soliciting subscriptions for the organization of a stock company to carry the enterprise into execution. A few months after these preliminary steps were taken, Mr. Ellis was brought into communication with a group of young men at Yale College known as the "Illinois" or "Yale Band," who had entered into a compact to devote their lives to the cause of educational and missionary work in the west, and out of the union of these two forces, soon afterwards effected, grew Illinois College. The band was composed of Theron Baldwin, John F. Brooks, Mason Grosvenor, Elisha Jenney, William Kirby, Julian M. Sturtevant, and Asa Turner, who, after the consummation of their organization in February, 1829, came to Illinois at an early day, and were associated with the college for many years as trustees or members of the faculty. Before the close of 1829 a fund of \$10,000 for the purpose of laying the foundation of the proposed institution in Illinois had been pledged by friends of education in the east, the formal or-

ganization of the board of trustees had been effected December 18, and a beginning had been made in the erection of buildings on the present site of Illinois College at Jacksonville. The work of instruction was begun January 4, 1830, by Rev. Julian M. Sturtevant in what is now the south wing of Beecher Hall. In December, 1830, Rev. Edward Beecher, the oldest son of the indefatigable Lyman Beecher, and brother of Henry Ward, already then well known as a leader in the ranks of those opposed to slavery, became identified with the new enterprise, and assumed the position of its first president. Such was the prejudice against "Yankees" in Illinois at that time, and the jealousy of theological influence in education, that it was not until 1835 that the friends of the institution were able to secure a charter from the legislature. An ineffectual attempt had been made in 1830, and when the charter was finally granted it was in the form of an "omnibus bill" including three other institutions, but with restrictions as to the amount of real estate that might be held, and prohibiting the organization of theological departments, both of which were subsequently repealed. In 1835 the college graduated its first class, consisting of two members, Richard Yates, afterward war governor and United States senator, and Rev. Jonathan Spilman. In 1843 a medical department was established, but it was abandoned five years later for want of adequate support. Dr. Beecher retired from the presidency in 1844, and was succeeded by Dr. Sturtevant, who continued in that capacity till 1876, relinquishing at that time the duties of president, but remaining professor of mental science and the science of government till 1886. Professor Rufus C. Crampton filled the position of acting president from 1876 till 1882. In the latter year Rev. Edward A. Tanner, who had been professor of Latin from 1865, and in 1881 had been appointed financial agent of the institution, was elected president, and served till his death in 1892. His successor was Dr. John E. Bradley, who remained in office till January, 1900.

The historical sketch given above is, with slight modifications, taken from the "Historical Encyclopedia of Illinois," edited by Hon. Newton Bateman and Mr. Paul Selby, alumni of Illinois College. To Mr. Selby, as surviving editor, acknowledgement is hereby made of his kindness in permitting the use of this material.

ORGANIZATION AND WORK.

By the charter of Illinois College the general government and administration of the institution are vested in its Board of Trustees. The immediate direction of its work is vested in the Faculty, who are empowered to determine the requirements for admission to the College, the standard of attainment in the several classes, the subjects and methods of study, and to make such rules, subject to the judgment of the trustees, as may be deemed best for the guidance of the institution and the advancement of its work.

It is the aim of Illinois College to extend to young men the benefits of a liberal education of a most advanced standard. Its courses of instruction are arranged to give the best preparation alike for professional study and for active life. It seeks to meet the increasing demand for men of disciplined intellect and upright character in business enterprises. Improved methods of instruction make attainments easy at the present day which were beyond the reach of any but graduate students a few years ago. The instructors are specialists in their various departments, and the class rooms and laboratories are supplied with the best appliances and apparatus for illustration and experiment. The wide range of elective studies enables students to carry their work in any chosen department to a high degree of advancement and practical results.

Whipple Academy, the preparatory department of Illinois College, is a secondary school of high grade. In addition to fitting its graduates for admission to Illinois College or any college or university in the country, it affords special advantages for the pursuit of English and for young teachers who wish to qualify themselves for higher grades of work. Its instruction is given largely by the college professors, and its students have the benefit of the college library, laboratories and apparatus. In these and many other particulars it stands pre-eminent among schools of its class. Physical exercise is required, and care is taken for the formation of moral character.

LOCATION AND BUILDINGS.

Jacksonville has long been famed for its culture and literary atmosphere. Three of the state charitable institutions are lo-

cated here, and a number of prosperous schools and seminaries, and these, with the College, have led many cultivated families to take up their residence in Jacksonville. Its streets are well paved, lighted by electricity, and everywhere lined with arching rows of elms. It is conveniently situated at the intersection of the Chicago & Alton, the Wabash, the Chicago, Peoria & St. Louis, and the Jacksonville & St. Louis railroads. Its healthful climate and freedom from temptation render it a most favorable location for a Christian college.

The college campus is a magnificent park of some twenty acres, crowning a slight elevation, and set with large elms and other trees.

The college buildings are commodious and well equipped. They are Sturtevant Hall, in which are lecture and recitation rooms and laboratories; Crampton Hall, a large dormitory building; Beecher Hall, containing several society rooms; Whipple Hall, containing several recitation rooms, and a large study hall for the preparatory department; College Hall, devoted to the use of the students' boarding club, and the gymnasium. These buildings are all well adapted to their use, are heated by steam and lighted by gas. To these has now been added the Jones Memorial building, the gift of Dr. Hiram K. Jones, of Jacksonville, erected in memory of his wife, Elizabeth Orr Jones. It is constructed of brick and terra cotta, with tile roof, finished in oak and maple, lighted by electricity and equipped with the most approved heating and ventilating systems and other modern conveniences. It is ninety-two feet in length by seventy-three feet in width and is designed in the Gothic style of architecture. It contains the library, chapel, reading room, Y. M. C. A. rooms, president's office, a number of class rooms and a work room for the use of the library.

RELIGIOUS EXERCISES.

The institution is conducted as a Christian college. In the instruction of youth, those minor matters on which good men differ are not made subjects of discussion; but the Faculty considers the great characteristic doctrines of Christianity as fundamental in morals, as the law of gravitation is physical science. These doctrines will be so treated on all occasions. Parents

may rest assured that instructors will labor to cultivate not only scholarly tastes, but also Christian character in those committed to their care.

Daily religious exercises, consisting of reading the scriptures, singing and prayer, at which some member of the Faculty officiates, are held in the college chapel. All students living on the college premises and all other students whose duties require them to be at any college exercises during the hour immediately preceding or following prayers, are required to attend these exercises.

DISCIPLINE.

In case of deficiency in scholarship, negligence in study, irregularity in attendance upon the exercises of the institution, or improper conduct, the student will be promptly admonished, and his parent or guardian informed of the fact. It is the object of this arrangement to keep parents and guardians accurately informed with regard to their sons and wards in the institution, and thus secure their co-operation with the Faculty in a mild system of discipline. Whenever it is ascertained that a student is deriving no advantage from his connection with the institution, or is pursuing a course injurious to himself or fellow students, his parent or guardian will be promptly addressed on the subject, and requested to remove him from the institution.

Regularity in attendance upon college exercises is regarded as absolutely essential to the progress of the student, and visits at home, or elsewhere, which break in upon such duties should be avoided as much as possible. Previous permission from the class officer in case of leaving the town will be insisted upon.

Students once entered are considered members of the College until graduated or regularly dismissed, and are therefore required to be present on the first day of each term unless excused by the Faculty.

COURSES OF INSTRUCTION.

The courses of instruction form a system of required and elective study. In the Freshman year the required studies occupy sixteen hours each week; in the Sophomore year eight hours each week; in the Junior year five hours, and in the Senior year

five hours, leaving seven hours of elective work in the Sophomore year and ten hours each in the Junior and Senior years.

REQUIREMENTS FOR ADMISSION.

Four courses of study are pursued in the College: The Classical, the Philosophical, the Scientific and the Agricultural.

Candidates for admission to these courses are examined in the following subjects:

ALL COURSES.

ENGLISH—1. GRAMMAR, finished. COMPOSITION, equivalent to Newcomer's Composition. RHETORIC, equivalent to Lewis' First Book in Writing English. LITERATURE, equivalent to Syle's From Milton to Tennyson, any thirty selections. In addition, the candidate must write a short essay on a subject announced at the examination and connected with the selections prescribed for study. 2. GEOGRAPHY. 3. HISTORY AND CONSTITUTION OF THE UNITED STATES. 4. HISTORY OF THE EASTERN NATIONS, GREECE, ROME AND ENGLAND.

MATHEMATICS—ARITHMETIC, including square and cube roots, and the metric system. Accuracy and skill in analysis are the chief requisites of this subject. GEOMETRY, plane and solid, equivalent to Phillips and Fisher's abridged edition. The ability to solve neatly and rapidly original exercises is insisted upon, and candidates for admission are liable to be tested especially on this acquirement. ALGEBRA, including quadratic equations, simultaneous quadratics, fractional and negative indices, surds, complex quantities, ratio and proportion—equivalent to the first twenty-three chapters of Stringham's Smith's Elementary Algebra.

In addition to these subjects, candidates for admission to the several courses are examined in special subjects as follows:

THE CLASSICAL COURSE.

LATIN—GRAMMAR, including Prosody (Allen and Greenough). CÆSAR, four books. CICERO, orations (twice the amount of text in the four against Catiline). OVID, fifteen hundred lines. VERGIL, four thousand lines. COMPOSITION (Riggs or Daniel).

GREEK—GRAMMAR, including Prosody (Goodwin or Hadley-Allen). XENOPHON'S ANABASIS, four books. HOMER'S ILIAD, three books. COMPOSITION (Woodruff).

THE PHILOSOPHICAL COURSE.

LATIN—Same requirements as for the Classical course.

NATURAL SCIENCE—ELEMENTARY PHYSICS, same requirements as for the Scientific course.

GERMAN—The reading at sight of easy German prose.

THE SCIENTIFIC AND AGRICULTURAL COURSES.

LATIN—GRAMMAR. CÆSAR, four books. CICERO, orations (twice the amount of text in the four against Catiline. COMPOSITION (Riggs or Daniel).

GERMAN—The reading at sight of easy German prose.

NATURAL SCIENCE—BOTANY, equivalent to Gray's Field and School Book, with a herbarium of at least fifty mounted and classified plants, and the pupil's note book; also laboratory work, equivalent to McBride's Botany. ZOOLOGY, equivalent to Orton's Comparative Zoology with laboratory work. PHYSICS, equivalent to Nichol's Outlines of Physics, and note book showing at least eighty experiments by the pupil.

Real equivalents will always be accepted, and candidates for admission are invited to correspond in advance of the examinations with the professors in whose departments are found the subjects for which they desire to offer substitutes.

The examinations for admission to the College will occur on Monday and Tuesday, September 10th and 11th, 1900.

Testimonials of good moral character may be required whenever the Faculty think it necessary. Students from other colleges are always required to present certificates of honorable dismissal.

DEPARTMENTS OF INSTRUCTION.

PSYCHOLOGY, ETHICS AND PHILOSOPHY.

Psychology. The course in Philosophy begins in the study of Psychology.

The subject matter of the study will be the Phenomena of Consciousness, in its three general aspects—Cognitive, Emotional and Volitional, and their mutual relations.

Cognitive Consciousness, as to its sensuous material. Apperceptive processes and concrete results in knowledge.

Emotional Consciousness. As to its general nature and stages of development in universality.

Volitional Consciousness. Development from impulses into volitions and Physical, Prudential and Moral Control.

The method will be Introspective, Physiological and Objective. Five hours, Senior year, first and second terms.

Ethics. The nature and grounds of obligation will be considered, and the grounds of the distinctions of right and wrong; Functions of Conscience; Moral Judgment, Relation of the Will of God to Moral Judgment; Government; Rights and Duties, and their correlation—Love the substance of both; Duties to God; Duties to Man; Civil Society, with its rights and obligations. Required course, following the Psychology. Five hours, Senior year, third term.

Logic. The forms of thought and the different modes of reasoning will be considered. Elective course. Two hours, first term, Senior year.

Theism. The Personality of God and Man; Arguments for the being of God; Anti-Theistic Theories; Pantheism, Positiv-

ism, Materialism, Agnosticism. Elective course. Two hours, second term, Senior year.

Evidences of Christianity. Prophecy; Miracles; Character of Christ; Nature of His Doctrines; Character of the Apostles; the Credibility of the Witnesses; the Spread and Effects of the System; Contrast with other Religions; Settlement of the Canon; Harmony with Modern Science. Elective course. Two hours, third term, Senior year.

Psycho-Physics. This subject has to do with the natural laws of physiology as applied to psychology. To present it according to its recognition as a department of natural science, experimental and physiological methods are pursued.

The lectures treat of the cerebral and nervous apparatus, etc., as follows:

1. The normal anatomy, including histology.
2. Its functional elements; the normal physical and psychological activities.
3. The lesions of its organization, or the occurrence of the abnormal in development.
4. The lesions of disorganization, or the acquired abnormal states. Lectures. Required course, Senior year, one hour, first and second terms.

Philosophy. Philosophy investigates essential natures and first principles and causes. Hence the philosophic exercises of the mind are characteristically conversant about Real Being. Being is that which truly is and exists. And, therefore, Being is that which underlies and effects all the phenomena of the visible world.

Philosophy affirms Being to be a subject of immediate and verifiable human knowledge, that Being is the source and cause of all apparent life and motion and form in visible Nature, and a subject equally and truly as knowable as its phenomena.

The method of Philosophy is psychologic.

1. The psychologic and philosophic ground of all knowledge is found in the constitution of the Soul.
2. Man is related through and by means of consciousness to

Matter and Mind and Deity. Hence man is capable of knowledge in each of these subjects.

3. The Doctrine of Consciousness—it is the ground and condition of all knowledge whatever.

4. The scientific and philosophic principles of the Soul in which it is related to material nature, to Mind and to Deity.

5. The scientific and philosophic proofs of the doctrine of the Immortality of the Soul.

6. The microcosmic constitution of man as the ground of the universal range of his capabilities of knowledge.

7. Nature—The differentiation of Mind and Matter, considered apart and in relation. The life principle is the active element and the material principle is the passive and instrumental element; and a certain orderly conjunction of the vital with the material element is the fact of organization.

8. The Philosophy of Conscience, of Faith, of Knowledge, and of Law, as topics illustrative of the principles and the argument. The limit of this notice necessarily precludes intelligible outlines.

From this point of view of Real Being, essentially and relatively identified, the course in Philosophy is intended to exercise the mind in the analytic and contemplative speculation and review of the Sciences, Physical, Metaphysical, and Theistic, and in the philosophic comprehension of all the sciences as they unite in a manifest and knowable First Cause.

The course will consist, for the present, of about thirty-five lectures, to be delivered to the Senior class. Required course.

PEDAGOGY.

This course is offered to college students desiring to investigate the general principles underlying educational science. Its special purpose is to lay the foundation for professional training in the art of teaching, and at the same time to furnish a training in abstract thinking which will aid in introducing the student to the higher philosophic studies.

The course will have for its basis the study of educational psy-

chology, as above indicated. Books read, Dewey's Psychology and Harris's Psychologic Foundations of Education.

This preparatory course will be followed by an investigation in Universal Method (McMurray's General Method).

The final course will be Method of the Recitation (McMurray). Two hours, the entire year. Elective course. Open to Juniors and Seniors only.

HISTORY AND POLITICAL SCIENCE.

The required courses in History give a general view of Europe from the decline of the Roman empire to the present time. The elective courses deal more in detail with special periods. In Political Science an attempt is made to give an idea of the form and working principles of the leading governments of our day. Not all the elective courses in this department are given in any one year, but by a judicious selection of work during the Junior and Senior years a student can usually complete them all before graduation. The elective courses are open to Juniors and Seniors.

REQUIRED.

1. Mediæval History. A survey of the history of Europe from the barbarian invasions to the close of the fifteenth century. Two hours, Sophomore year.

2. Modern History. The development of the European nations from the close of the fifteenth century to the present time. Special attention is given to the great religious, political and diplomatic revolutions of the period. Three hours, Junior year.

3. Comparative Politics. A study and comparison of the constitutions of Greece, Rome, the mediæval European states, and the leading countries of the present time. Course based on Woodrow Wilson's *The State*. Two hours, Junior year.

ELECTIVE.

4. English History. The course covers the entire field of English History, but special attention is given to the period since the accession of the Tudors. Three hours, the entire year.

5. American Political History. The development of the

Constitution and the political history of the United States from the beginning of Washington's administration to the close of the period of reconstruction. Three hours, the entire year. Not given in 1900-1901.

6. The Protestant Reformation. The political, religious and social condition of Europe at the beginning of the sixteenth century; the revolution in Germany, Switzerland, France, England, Scotland and the Scandinavian countries; the counter-reformation and the religious wars to the Peace of Westphalia. Five hours, first term. Not given in 1900-1901.

7. The French Revolution. A study of the political, social, and economic changes in France between 1789 and 1815; the rise and fall of parties and party leaders, and the development of international complications. Five hours, second term. Not given in 1900-1901.

8. Europe in the Nineteenth Century. The reorganization of Europe by the Congress of Vienna, the upheavals of society, the growth of popular governments, and the development of the Eastern Question. Five hours, third term. Not given in 1900-1901.

ECONOMICS.

The work provided in Economics amounts to one hour daily for one year. The courses offered for the year 1900-1901, elective and open to Seniors only, are as follows:

1. Principles of Economics. An introduction to the leading principles of economic science. Five hours, first term.

2. Public Finance. An analysis of the general principles which determine public income and expenditures. Five hours, second term.

3. Economic History. A study of the history of industrial arrangements in England and the United States as a basis for the interpretation of present economic facts. Five hours, third term.

ENGLISH AND ORATORY.

English is a required study through the Freshman and Sophomore years. The later work is elective and open to those who

have had the required work. The aim of the study is to make the student speak and write well, then to give him intelligent acquaintance with the writings of the most important English authors.

REQUIRED.

1. Rhetoric. Some theory and much practice in writing. The technique of exposition, narration and description. Two hours, Freshman year.

2. Elocution. Drill in reading aloud, extempore speaking, declamation and debate. One hour, Freshman year.

3. The Elements of Literary Analysis. After a brief study of Brooke's English Literature, the rest of the year is given to analysis of representative poems, from Spencer to Tennyson, chiefly as to structure and style, the object being to get a working basis for literary criticism. Three hours, Sophomore year.

ELECTIVE.

4. (a) Anglo-Saxon. Elementary study, both linguistic and literary, of the prose and earlier poetry. Smith's Old English Grammar. Selections from Bright. Harrison and Sharp's Beowulf. Three hours, first and second terms.

4. (b) Chaucer. A similar study of Middle English, to follow 4 (a). The Life of Chaucer, his literary qualities, readings from Corson's Selections from the Canterbury Tales. Three hours, third term.

5. Oratory. Mastery of Baker's The Principles of Argumentation, followed by a study of American and English orations, with composition and delivery of arguments and speeches. Two hours, the entire year. Presupposes courses 1, 2 and 3.

6. Shakspeare. The development of the English Drama, readings from Manty's Specimens of the Pre-Shakspearean Drama, Webster and Marlowe, followed by a brief study of Shakspeare's constructive art and the development of his genius. Five hours, first term. Not given in 1900-1901.

7. The Romantic Poets. With some attention to the rise and development of the Romantic Movement, the course deals

mainly with Byron, Shelley, Keats and Wordsworth. Five hours, second term. Not given in 1900-1901.

8. Victorian Poets. Tennyson, Arnold and Browning. Five hours, third term. Not given in 1900-1901.

9. English Prose. About twenty-five of the most important writers in prose are studied, some briefly, others at length; the object being to trace the development of prose literature. Five hours, the entire year.

GREEK.

The work in this department is required through the Freshman year and may be elected in alternating courses for two succeeding years.

REQUIRED.

1. Homer. The *Odyssey*. For this course a knowledge of Homeric forms and a fair acquaintance with the Homeric vocabulary are requisite. Attention is paid mainly to translation, metrical reading and mythology. From eight to ten books of the *Odyssey* are read. Five hours, first term.

2. Lysias and Composition. This course is devoted to the study of the orations of Lysias, the review of Attic forms and syntax and exercises in composition. Five hours, second term.

3. Plato. The *Apology* and *Crito* are read with selections from the *Phædo*. If time permits, passages from Xenophon's *Memorabilia* are also read. Five hours, third term.

ELECTIVE.

4. Tragedy. Selected plays of Euripides are read. The origin and development of the drama, its perfected form; the Attic theatre, its construction, maintenance and place in Athenian life are among the subjects investigated. Three hours, first term.

5. Tragedy. A continuation of Course 4, devoted to the plays of Sophocles and Æschylus. Three hours, second term.

6. Comedy. The *Clouds* of Aristophanes, with selections from other plays is made the basis of a study of Greek Comedy. Three hours, third term.

7. Orators. Demosthenes. The reading of the *Philippics*

and DeCorona is accompanied by the study of the history of the time, the Athenian financial and military and legislative bodies. Three hours, first term.

8. Historians. This course is devoted to the study of Thucydides with selections from Herodotus and Xenophon. Three hours, second term.

9. Lyric Poetry. Readings from the Lyric Poets constitute this course. Three hours, third term.

Courses 4, 5 and 6 will be given in 1900-1901.

Text books for the required courses: Keep's Autenrieth's Homeric Dictionary; Perrin's Odyssey, Books I-IV.; Teubner text of the Odyssey, Books I-XII.; Gayley's Classic Myths; Morgan's Lysias; Dyer's Plato's Apology and Crito; Winan's Xenophon's Memorabilia; Goodwin's Grammar; Liddell & Scott's Lexicon.

LATIN.

A course of two years is offered in Latin. The work of the Freshman year is required of students in the Classical and Philosophical courses; the attention of the student is directed chiefly to the structure of the Latin sentence and the subject of Latin style in the authors read. Sophomores in the Classical and Philosophical courses may elect a second year's work; the object of this work is to lead the student to a more thorough appreciation of Latin literature as represented by the authors studied. The department library is equipped with the best editions, commentaries and works of reference.

REQUIRED.

1. Cicero. De Amicitia and De Senectute, Bennett's edition. Five hours, first term.

2. Livy. Selections from Books I, XXI and XXII, Lord's edition. Five hours, second term.

3. Horace. Odes and Epodes, Smith's edition. Five hours, third term.

ELECTIVE.

4. Latin History. Sallust's Catiline and selections from Tacitus. Five hours, first term.

5. Latin Comedy. Selected plays of Plautus and Terence. Five hours, second term.

6. Latin Philosophy. Selections from Lucretius and Cicero. Five hours, third term.

GERMAN.

Courses 2a to 4b, inclusive, are required of all Philosophical and Scientific Freshmen.

Courses 2a, 3a, and 4a are required of all Scientific Sophomores who have had only German 1. The above courses are also open to all students who are able to read at sight simple prose.

Course 1 is designed as an elective for Classical students.

The works read vary from year to year, an effort being made to give some familiarity with the writings of Schiller, Goethe and Lessing, as well as the best representatives of contemporary German literature.

In addition to the works specified, others adapted for sight reading are used as opportunity offers.

While every recitation is to a large degree an exercise in the conversational use of German, a separate course is devoted to this subject in connection with the work of the Freshman year.

1. Elementary German. For the first term the text-book is Thomas's Practical German Grammar. This is followed by the reading and translation of easy German texts. Five hours, the entire year.

2a. Nineteenth Century Writers. Selections are read from the best modern writers. Three hours, first term.

2b. German Composition and Colloquial Exercises. Harris's German Prose Composition is the text-book used. The object of the course is to give practice in writing and speaking German. Two hours, first term.

3a. Schiller. A study is made of one or more of the less difficult of Schiller's plays. Three hours, second term.

3b. German Composition. This course is a continuation of 2b. Two hours, second term.

4a. Comedy. This course affords an introduction to Ger-

man comedy, and is also valuable as giving an acquaintance with many modern colloquialisms. Three hours, third term.

4b. Biography. Selections from some standard biography or history. Two hours, third term.

The following courses are open to all who have taken the preceding courses or their equivalent:

5. Lessing. Selected works. Two hours, first term.

6. Goethe. Selected works. Two hours, second term.

7. Heine. Selected works. Two hours, third term.

FRENCH.

The course in French has for its object the reading of as many authors as possible. The first term is spent in the study of forms and syntax in Edgren's Grammar and in reading Super's Reader. In the second and third terms the works of entertaining authors are read rapidly, followed by selected dramas of Victor Hugo.

Required of Scientific Sophomores who have had German 2a, 3a, 4a; open to other students beyond the Freshman year. Three hours, the entire year.

SCIENCE.

The object of the science work is to develop in each student the power of observation, keenness of perception and ability to discern some of the many laws of nature from the various facts presented in the laboratory.

The equipments, while not complete, are such as to enable the student to obtain a thorough course in all the branches of science work taught in the institution and additions are constantly being made in the way of apparatus and works of reference.

BIOLOGY.

1. Elementary Biology, Parker. A course entirely of textbook work. Required of Scientific Freshmen. Two hours, the entire year.

2. Elementary Practical Biology, Huxley & Martin. A course entirely of laboratory work to be taken in connection with Course

1. Required of Scientific Freshmen. Three hours, the entire year.

A fee of one dollar a term is charged for this course.

BOTANY.

1. Morphology, Classification and Ecology. Lectures, laboratory and observation work. Requires Biology 1 and 2. Five hours, the entire year.

2. Physiology of Plants, Vines. A course in text-book, laboratory and observation work. Requires Biology 1 and 2. Five hours, the entire year. Not given in 1900-1901.

ZOOLOGY.

1. Normal Animal Histology. Essentials of Histology, Schafer. A very valuable preparation for the study of medicine. Requires Biology 1 and 2. Five hours, the entire year. Fee of \$1.50 each term. Not given in 1900-1901.

2. Advanced Physiology, Human Body, Martin. A course adapted to prepare for the study of medicine. Two hours, the entire year.

GEOLOGY.

1. Physiography, Thornton's Advanced and Wallace's Island Life. Two hours, the entire year.

2. General Geology. Elements of Geology, Le Conte. Three hours, the entire year. Open to Seniors only.

CHEMISTRY.

1. Inorganic Chemistry, Remsen. This course deals with the properties of elements and their compounds, also with the elementary theories and laws of chemical combination. It consists of one hour recitation and four hours laboratory work, weekly, through the first and second terms. The third term is devoted to the elements of chemical analysis, Congdon's Manual being used. Three hours, the entire year.

2. Qualitative Analysis, Prescott & Johnson. This is a thorough course in analytical work on bases and acids, with some time given to water analysis. It consists of two hours recita-

tion and six hours laboratory work weekly; open to students who have taken Course 1. Five hours, the entire year.

MATHEMATICS AND PHYSICS.

The required work in Mathematics is five hours, three hours in the Freshman year and two hours in the Sophomore year.

The aim of the work is three-fold: first, to discipline the mind of the student by developing his power of clear thinking and logical reasoning; second, to impart as much knowledge of a practical character as the nature of the work will permit; third, to lay a foundation so that the student, if he desires to do so, may be fitted to pursue successfully more advanced branches of Mathematics.

The work of the first two years is that covered by the best institutions. This is given yearly. The remaining courses are offered in alternate years.

REQUIRED.

1a. Algebra, Taylor's College Algebra. The first part of this work is a rapid review from the beginning. The second part treats of functions, limits, derivatives, series, partial fractions, permutations, etc. Three hours, first half of the Freshman year.

1b. Trigonometry, Phillips and Strong; Jones' Tables. A study of trigonometric functions and formulæ, and their applications to the solution of problems of mensuration, surveying and navigation. Three hours, second half of the Freshman year.

1c. Analytic Geometry, Wentworth. Loci and their equations, the properties of the straight line, circle, parabola, ellipse and hyperbola. Considerable practice is given in the plotting of loci. Two hours, Sophomore year.

ELECTIVE.

2a. Mechanical Drawing, Tracy. An elementary course; isometric and cabinet projection; orthographic projection with applications to problems involving plane sections, intersection of surfaces, development of surfaces and shadows. Reinhardt's Free-hand Lettering will be used in connection with this course. Two hours, first term, Sophomore year.

2b. Descriptive Geometry, Church. A continuation of course 2a. Problems relating to the point, line and plane; the generation and classification of lines and surfaces; intersections, developments and revolutions. Two hours, second and third terms, Sophomore year.

3. Differential and Integral Calculus, Osborne. This course is designed to give the student a working knowledge of the subject so that he can use it in mechanics, physics, astronomy, etc. To this end numerous problems are solved involving the computation of lengths of curves, areas inclosed by curves, areas on surfaces, volumes, masses, centers of gravity, etc. Three hours, Sophomore year.

4. Surveying, Johnson. A very practical course including use of transit and level, laying out land, laying out curves, mapping and plotting. Two hours, Sophomore year. Not given in 1900-1901.

5. Theory of Equations. Burnside and Panton. Development of the general properties of equations, their transformation and solution. The origin and notation of determinants, their properties, etc. Open to Juniors and Seniors. Two hours. Not given in 1900-1901.

6a. Advanced Analytic Geometry. Higher plane curves, methods of curve tracing, surfaces of the second order and the general equation of the second degree with three variables. Open to Juniors and Seniors. Three hours, first term.

6b. Advanced Integral Calculus, Byerly. Line, surface and space integrals; elliptic integrals, introduction to the theory of functions. Open to Juniors and Seniors. Three hours, second and third terms.

7. Astronomy, Todd. A general course in elementary astronomy in which the history, fundamental facts and principles and latest developments of the science are dealt with. Open to Sophomores, Juniors and Seniors. Two hours, the entire year.

8. Theory of Physics, Ames; Laboratory Physics, Ames and Bliss. A series of lectures and recitations on two days of the week with a period of two hours laboratory work. The latter consists of experiments in mechanics, sound, heat, light, electricity and magnetism. The object of the course is to teach the

student how to handle apparatus, the degree of accuracy to be obtained under given conditions and to arrange and tabulate the work properly. Open to Juniors and Seniors. Three hours. Not given in 1900-1901.

THE BIBLE.

Systematic courses in the study of the English Bible are offered each year, open to all students of the College. The purpose is to give the student a general historical knowledge of the Bible. The courses occupy one hour throughout the year and vary from year to year so as to enable the student to cover the entire Bible in the four collegiate years. Steele's Outline Lessons of the Bible.

1. Biblical history of the Jews, including the Pentateuch and the twelve historical books.
2. Study of the major and minor prophets.
3. Life of Christ; studies in the four gospels.
4. The Epistles and Revelation.

SPECIAL STUDIES.

IN PREPARATION FOR PROFESSIONAL SCHOOLS.

The best preparation for the special schools of law, medicine, theology, engineering, etc., is that afforded by a regular college course; and the best professional schools are raising their requirements for admission so as to approximate the usual requirements for a college degree. In all professional schools of national reputation the degrees of Illinois College are recognized as equivalent to those given by the best eastern colleges. The expenses of a student in Illinois College are very low—less than one-half as much as they are in eastern colleges or in most professional schools.

It is a great advantage, therefore, to a student if he can pursue his studies in college along such lines as will enable him to enter the professional school at an advanced standing. He can thus reduce the expenses of his course of study and also enjoy the great advantages for general culture afforded by the college. Several of the best professional schools have already indicated their willingness to give credit for work done in Illinois College

in various departments of study. This will correspondingly shorten the time required to complete their courses and bring a liberal as well as a professional education within the reach of most young men. No student should willingly deprive himself of a full college education.

But there are some young men of ability and mature years who cannot afford to spend so much time and money in preparing to *begin* the work of the special schools. Though they know what is best, appreciate and covet it, they feel that they must content themselves with less, and hope by application and hard work to derive great benefit, if not the greatest possible benefit, from the professional schools. To these earnest students we commend the following groups of subjects selected from the regular courses, in pursuing which they may feel that they are obtaining not only general discipline and culture, but also laying a broad foundation for professional study:

MEDICINE: Anatomy; Physiology; Biology; Zoology; Chemistry; Histology; Botany; Psychology; English; Physical Training.

LAW: History; Economics; Political Science; Psychology; Logic; Ethics; Latin; English; Physical Training.

THEOLOGY: Latin; Greek; The English Bible; History; Psychology; Logic; Psycho-Physics; Ethics; Geology; English; Physical Training.

ENGINEERING: Trigonometry; Analytic Geometry; Mechanics; Higher Algebra; Mechanical Drawing; Surveying; Differential and Integral Calculus; Laboratory Measurements; Chemistry; English; Physical Training.

DENTISTRY: Anatomy; Physiology; Biology; Chemistry; Physics; Histology; Mechanics; English; Physical Training.

The time required to complete these subjects will depend largely upon the student's maturity and previous attainments. Subjects may be selected according to the requirements of each individual, and the courses may be more or less extended and complete, but thoroughness will be insisted upon in all cases.

THE GYMNASIUM.

Through the generosity of alumni and other friends of the

institution a large and tasteful building, carefully designed for gymnasium uses, has been erected and equipped at a cost of over twenty thousand dollars.

PHYSICAL TRAINING.

Under the direction of a competent instructor a thorough course in physical training is given to all students.

For general work students are drilled in dumb-bell, bar-bell and other exercises. Advanced students receive special drill on the horizontal bar, the parallel bars and the horse.

PHYSICAL EXAMINATIONS.

Before entering upon the gymnasium practice, each student is given a physical examination to ascertain his variation from the normal form and to discover physical defects, if they exist. These examinations are conducted by a skilled physician and furnish the data for future work in the gymnasium.

DEGREES.

The degrees of Bachelor of Arts, Bachelor of Philosophy, and Bachelor of Science, will be conferred upon students who finish respectively the Classical, Philosophical and Scientific courses. On completing the Agricultural course, students will be encouraged to become candidates for the degree of Bachelor of Science, which they may do by remaining at the College and pursuing the studies of the Senior year in the Scientific course.

The Master's Degree *IN CURSU* is no longer given by Illinois College; it will be conferred only after the completion of one full year's work.

The degree of Master of Arts will be conferred upon Bachelors of Arts or Bachelors of Philosophy of Illinois College, or upon graduates of other colleges in courses equivalent to the Classical or Philosophical course in this college, on completing one full year's work in residence, in studies appropriate to these courses, passing satisfactory examinations thereon, and presenting a satisfactory thesis on some topic connected with this work.

The degree of Master of Science will be conferred upon Bachelors of Science of Illinois College, or upon graduates of other colleges in courses equivalent to the Scientific course in this college, on the same conditions.

These degrees will be conferred upon graduates of Illinois College, three years or more after graduation, for non-resident study equivalent to at least one year's work in residence, on furnishing satisfactory vouchers that such courses of liberal study have been pursued, and presenting a satisfactory thesis on some topic connected with such work.

In special cases, for reasons satisfactory to the Faculty, the degree of Master of Arts will be conferred upon Bachelors of Science or that of Master of Science upon Bachelors of Arts or Philosophy, the proper requirements in each case having been met. Candidates for either of these degrees should correspond with the head of the department in which the degree is desired.

In order to receive any of these degrees it is necessary that previous to Commencement application shall be made to the President and the sum of \$5.00 paid to the Treasurer. No person will be recommended to the Trustees as a candidate for any degree or testimonial unless he has first settled all dues.

LIBRARIES.

The College Library has been arranged and enlarged by the gifts of liberal friends of the College. The Library is open the larger part of each day for the consultation or drawing of books. The Reading Room is well supplied with the best papers and periodicals, and is open at the same hours as the Library and also in the evening. The Librarian will give advice and assistance to students in selecting courses of reading to be pursued in connection with their studies.

In addition to the College Library, each of the literary societies has a library. The number of volumes in the various libraries is as follows:

College Library.....	10,300	volumes
Sigma Pi Library.....	2,000	“
Phi Alpha Library.....	2,100	“
Philologian Library.....	140	“
Total	14,540	“

LITERARY SOCIETIES.

The students sustain three Literary Societies, which, for the effective and thorough training which they furnish in debate, in the expression of thought and in parliamentary usage, are exceptionally excellent. They are not expensive organizations for good fellowship and conviviality, but are conducted solely with a view to giving their members valuable training in debate and other literary exercises. Regular attendance and the prompt performance of duties are secured to a much greater degree than is usual in such organizations. They are entirely free from indebtedness and the dues of each member vary from one to two dollars a year. These societies—the Phi Alpha, the Sigma Pi and the Gamma Nu—hold their meetings on Friday evenings, and students of Illinois College are eligible to membership. Each of the societies has a library—of which mention has been made above—and a commodious hall, tastefully furnished and devoted entirely to its use.

THE CHRISTIAN ASSOCIATION.

This Association of faculty and students was organized in 1882. Commodious rooms in the Jones Memorial Building are devoted to the uses of the Association. Here, under the charge of students, are held, on Sunday and during the week, various meetings for conference, prayer, missionary inquiry and Bible study. The influence of the Association upon the religious life of the institution is most beneficent. The Association maintains an employment bureau to assist students in obtaining work.

DIVISION OF THE YEAR.

The college year is divided into three terms, as follows:

The **FIRST TERM** begins on the second Tuesday in September and ends on the Friday before Christmas.

The **CHRISTMAS RECESS** begins on the day after the First Term closes and continues two weeks.

The **SECOND TERM** begins at the close of the Christmas recess (Registration Day on Monday) and continues eleven weeks.

The **THIRD TERM** begins at the close of the Second Term and

continues till Commencement, which occurs on the second Thursday in June.

The SUMMER VACATION extends from Commencement to the second Tuesday in September.

EXPENSES.

The charges, payable to the College Treasurer, are as follows:

Tuition for First Term.....	\$21.00
“ “ Second Term.....	16.00
“ “ Third Term.....	13.00

The figures above include all regular charges except a library fee of \$2.00 per year. There are no incidental expenses except for materials actually used in laboratory work.

Room Rent in Crampton Hall, First Term.....	\$10.00
“ “ “ “ Second Term....	10.00
“ “ “ “ Third Term.....	8.00

The charge for room rent includes fuel, as Crampton Hall is heated by steam.

Tuition and room rent are collected by the term. No smaller division of the year is recognized.

Each student occupying rooms in Crampton Hall is required to deposit with the Treasurer five dollars at the beginning of each term, to be applied by him to the payment of gas bills and damages during the term. Any money not so applied is returned to the student at the close of the term, or at such time as the student may have leave of absence for the remainder of the term.

Students vacating rooms for any cause are required to remove their furniture within one week.

Crampton Hall is lighted with gas, each room being supplied with a meter, so that its occupants pay for exactly what they consume. The expense for gas for each student averages twenty cents per week.

Payment is required in advance for each term, but any student who is unable to comply with this regulation may obtain from the President such extension of time as his case requires.

Students entering after the middle of a term will be charged for half a term. No fees will be refunded except in cases of sickness. In this event the student will secure from a physician a certificate of his inability to remain in school, when half the amount paid will be refunded if application is made before the middle of the term.

BOARD AND OTHER EXPENSES.

Students maintain a boarding club in a commodious building on the campus well supplied by the College with all the necessary table and other furniture, and obtain good board at its actual cost. The price of board is estimated at \$2.50 per week. The cost of board in private families, with furnished room, per week, is from \$3.50 to \$4.50. It will thus be seen that the entire annual college expenses of a student who rooms in Crampton Hall are as follows:

Tuition	\$50.00
Library Fee.....	2.00
Room Rent	28.00
Light	7.00
Board	90.00
Text Books and Society Fees, average.....	15.00
Total	\$192.00

Of other personal expenses, as for washing, clothing and traveling, no estimate can be made. These depend upon the tastes, habits and economy of the student.

In Crampton Hall the annual expense has been reduced to a rate so low as to bring a thorough collegiate education within the reach of any young man of ability and energy. The accommodations are superior to those of ordinary college dormitories. Each suite of rooms, consisting of a study room fifteen feet square, and a bedroom eight by twelve, is occupied by two students. The study room is furnished with a large study table, and the bedroom with a double woven wire mattress bed, as permanent articles of furniture. Other articles of furniture, such as chairs, washstands with appurtenances, and bedding, are fur-

nished by the students themselves at light expense, especially as in many cases they may be brought from home.

Choice of rooms is given by seniority to the college classes, and subsequently to students of Whipple Academy, in the order of application; provided, that if any benefactor of the College has a memorial room in the building, he is entitled to locate his son or near relative in such room. Application for such places should always be made in advance, that the rooms may be reserved. Early application should be made by those wishing to secure rooms in Crampton Hall, as the building is usually full at the opening of the college year. A deposit of two dollars is required of each student in order to secure a room, and the same is deducted from the rent of the following term, but is forfeited in case the room is not occupied by the student.

SCHOLARSHIPS.

The Trustees call attention of young men of limited means to the following statement of scholarships founded by benevolent individuals:

The Christian Endeavor Scholarship, established by the Christian Endeavor Societies of the Congregational church, the Westminster Presbyterian church, the State Street Presbyterian church, the Christian church and the Baptist church of Jacksonville; the First Congregational church of Springfield; the Congregational church of Chandlerville, and the Congregational church of Alton.

In filling this scholarship, preference will be given to a Christian Endeavorer and to the nominee of the contributing societies.

The Henry Haskins Ousley Memorial Scholarship, established by Mrs. Ella L. Brainard, of Lincoln, Ill., in memory of her father.

The Walter Lee Sanders Memorial Scholarship, established by Hon. George A. Sanders, of Springfield, Ill., in memory of his son.

The Frank L. True Memorial Scholarship, established by Lyman W. True, of Jacksonville, in memory of his son.

The Hubbard Scholarship, the Barstow Scholarship, the Wol-

cott Scholarship, and the Holmes Scholarship, each entitling one student to free tuition.

The Ellis Scholarships, securing a like privilege to two students, and paying part of the tuition of a third.

The Abel Scholarships, offering free tuition to two students preparing for the ministry.

All these funds are designed by their generous founders to aid young men of promising talents in obtaining a thorough classical education at the College. None are permitted, in any case, to enjoy the benefits of them who are not of good moral character, of decidedly promising talents and attainments, and in such circumstances as to need aid in defraying the expenses of their education; nor any who belong to secret societies, or use tobacco, or who do not comply with the regulations of the institution. Incumbents falling below an average grade of 80 per cent., or below 70 per cent. in any study, forfeit their scholarships. An honorable dismissal is not given to any holder of a scholarship until he has either completed the course of study required for the degree of Bachelor of Arts, or has refunded whatever he has received from his scholarship, with interest. But if he honorably completes the course of study he is released from all obligations to refund what he has received.

HARVARD UNIVERSITY SCHOLARSHIP.

Established by the Harvard Club of Chicago.

At the annual meeting of The Harvard Club of Chicago December 14, 1897, an amendment to the constitution of the Club was adopted, establishing on a permanent basis a scholarship at Harvard University of the minimum annual value of three hundred dollars. This scholarship is open to the graduates of the universities and colleges of Illinois who wish to follow a graduate course of study at Harvard University. Applications must be made before May 1st in each year, but senior students about to finish their undergraduate course are eligible as candidates. Communications may be addressed to Murry Nelson, Jr., Chairman, 99 Randolph Street, Chicago.

PRIZES.

A fund of two hundred and fifty dollars has been given to the

College by Mr. H. H. Hall, of Jacksonville, the annual income of which constitutes a first prize of ten dollars and a second prize of seven dollars for orations by members of the Junior class.

A fund of one thousand dollars has been given by Mr. Thomas Smith, of Hartford, Conn., the income of which, for the coming year, will be applied as follows:

A first prize of fifteen dollars and a second of ten dollars, for declamations of English prose by members of the Freshman class.

A first prize of ten dollars and a second of five dollars, for English composition by members of the Sophomore class.

A prize of fifteen dollars for the best standing in the mathematics of the Freshman year.

It is expected that the Hall Prizes and the Smith Prizes will be expended for books subject to the approval of the Faculty.

A prize of twenty-five dollars has been founded by Rev. W. E. Catlin, of the class of 1845, and named the Ireland Prize, in honor of his classmate, Rev. Wm. Ireland. It will be awarded annually to that member of the Senior class who presents the best paper on some subject in connection with the department of mental and moral philosophy.

Donors, who wish their names withheld, have established a first prize of twenty-five dollars, and a second prize of fifteen dollars, for the best and second best summaries of the doctrines taught in the course of philosophical lectures for the current year by Professor Hiram K. Jones.

A prize of twenty dollars has been founded by Hon. W. J. Bryan, of the class of 1881, for the best essay on the Science of Government written by a member of the Junior or Senior classes.

The above named prizes are offered each year to the several classes. The Faculty is authorized, however, to withhold the prizes in any instance in which reasonable competition is not manifested by the members of the class entitled to compete.

No student will be allowed to compete for a prize in studies which he does not pursue with his class at the regular time.

APPOINTMENTS FOR COMMENCEMENT.

JUNE 8TH, 1899.

Harry Joy Dunbaugh, Valedictory, Philosophical Oration,
Jacksonville.

Frank Raymond Wheeler, Salutatory, Philosophical Oration,
Auburn.

Albert Hurd Rankin, Philosophical Oration, Jacksonville.

Herbert Joseph Capps, High Oration, Jacksonville.

Myron Edward Duckles, High Oration, Chesterfield.

William Engelbach, High Oration, Arenzville.

Egbert W. Fell, High Oration, Jacksonville.

George William Curtis Parker, High Oration, Mt. Sterling.

Jesse Blackburn Thornton, High Oration, Jacksonville.

PRIZES AWARDED SINCE THE PUBLICATION OF THE
LAST CATALOGUE.

JUNIOR EXHIBITION—HALL PRIZES.

Orations—

1st Prize—Oscar Edwin Hewitt, '00.

2d Prize—William Sanders Elliott, '00.

SMITH PRIZES.

Composition—

1st Prize—Howard Woods Read, '01.

2d Prize—William Sheppard Sanford, '01.

Declamation—

1st Prize—Harlan Eugene Read, '02.

2d Prize—Walter Lee Read, '02.

Mathematics—

Knowles Shaw Tontz, '02.

IRELAND PRIZE.

Jesse Blackburn Thornton, '99.

PHILOSOPHY PRIZES.

1st Prize—Harry Joy Dunbaugh, '99.

2d Prize—Charles Bradley Russell, '99.

BRYAN PRIZE.

William Sanders Elliott, '00.

ATHLETIC PRIZES.

Heavy Gymnastics—

1st Prize—Walter Lee Read, '02.

2d Prize—Christian Henry Seger, '02.

Light Gymnastics—

1st Prize—Fred Coffin Coleman, '01.

2d Prize—William Brown Burr, '00.

Pitner Banner—Class of '99, W. A.

Carter Banner—Class of '02.

Fay Banner—Class of '02.

RAMBLER PRIZES.

For the best Poem—Eugene Greene Nelson, '00.

For the best Story—John Kearns, '00.

WHIPPLE ACADEMY.

Under the direction and management of the Trustees of Illinois College, but maintained as a separate institution, Whipple Academy offers superior advantages in preparation for college and in English branches.

COURSES OF STUDY.

The following courses are offered:

I. College Preparatory Courses: Classical, Philosophical and Scientific.

II. An English Course, affording a careful training for the College Preparatory courses.

I. THE COLLEGE PREPARATORY COURSES:—These courses are designed to afford a complete preparation for the best colleges.

1. THE CLASSICAL COURSE:—This course covers three years and includes a thorough training in Latin and Greek; Higher English, including Rhetoric, and careful study of a few English and American Classics; Mathematics, including elementary and advanced Algebra, and plane and solid Geometry; Greek, Roman and English History.

2. THE PHILOSOPHICAL COURSE:—This course covers three years and includes the same work as the Classical in Latin, Higher English, History and Mathematics; in the place of Greek a year of elementary Physics with laboratory work, and a year's study of German.

3. THE SCIENTIFIC COURSE:—This course covers three years and includes the same work as the Classical and Philosophical in Mathematics, Higher English and History; the same work as the Philosophical in Physics and German; the same work in

Latin as the first two years of the Philosophical; one term of Zoology and two terms of Botany.

II. THE ENGLISH COURSE:—Experience shows that many students fail in their preparatory or college work because of insufficient knowledge of the elementary branches. These subjects are poorly taught in many schools, and boys of thirteen years old and upward frequently attend their home schools for years without making much progress. Many persons have sent such pupils to Whipple Academy, and have been pleased with the work done here. Besides these, many young men, whose early opportunities have been slight, wish a more rapid and thorough review of the English branches than they can get in the common schools. Many students are prepared to take advanced work in some studies, but need to review one or two of the elementary branches.

For the accommodation of all of these persons, the Academy offers one or more classes each term in the following subjects: Arithmetic, English Grammar, United States History, Civil Government.

Boys under thirteen years old are not admitted to the Academy except by special arrangement with the Principal. Students are assigned to such classes as they are found, by careful examination, to be best fitted for. Testimonials of character and standing in the last school attended are desired, and when these are clear and satisfactory no examination will be required; but students thus admitted will be regarded as on trial and may be dropped at any time from classes in which they do not perform satisfactory work.

OUTLINE OF COURSES OF STUDY.

ENGLISH COURSE.

FIRST TERM.

Arithmetic.
Grammar.
U. S. History.

SECOND TERM.

Arithmetic.
Grammar.
U. S. History.

THIRD TERM.

Advanced Arithmetic.
Advanced Grammar.
Civil Government.
Composition and Reading.

PREPARATORY COURSES.

Classical Course.

Philosophical Course.

Scientific Course.

JUNIOR YEAR.

FIRST TERM.

Latin Lessons.
Algebra.
Elementary Rhetoric.

Latin Lessons.
Algebra.
Elementary Rhetoric.

Latin Lessons.
Algebra.
Elementary Rhetoric.

SECOND TERM.

Latin Lessons.
Algebra.
English Literature.

Latin Lessons.
Algebra.
English Literature.

Latin Lessons.
Algebra.
English Literature.

THIRD TERM.

Latin: Caesar.
History: Eastern Nations and Greece.
English Literature.

Latin: Caesar.
History: Eastern Nations and Greece.
English Literature.

Latin: Caesar.
History: Eastern Nations and Greece.
English Literature.

MIDDLE YEAR.

FIRST TERM.

Latin: Caesar and Composition.
Roman History.
Greek Lessons.

Latin: Caesar and Composition.
Roman History.
Physics.

Latin: Caesar and Composition.
Roman History.
Zoology.

SECOND TERM.

Latin: Cicero and Composition.
English History.
Greek Lessons and Anabasis.

Latin: Cicero and Composition.
English History.
Physics.

Latin: Cicero and Composition.
English History.
Botany.

THIRD TERM.

Latin: Cicero and
Composition.
Algebra.
Greek: Anabasis and
Composition.

Latin: Cicero and
Composition.
Algebra.
Physics.

Latin: Cicero and
Composition.
Algebra.
Botany.

SENIOR YEAR.

FIRST TERM.

Latin: Ovid and Ver-
gil.
Greek: Anabasis and
Composition.
Geometry.

Latin: Ovid and Ver-
gil.
German.
Geometry.

German.
Physics.
Geometry.

SECOND TERM.

Latin: Vergil.
Greek: Iliad.
Geometry.

Latin: Vergil.
German.
Geometry.

German.
Physics.
Geometry.

THIRD TERM.

Latin: Vergil.
Greek: Iliad.
Geometry.

Latin: Vergil.
German.
Geometry.

German.
Physics.
Geometry.

One hour a week in Declamation and Composition is required of all students in the Middle and Senior years and an essay each term for the first and second terms.

Scope and Methods of Instruction.

The following statements will explain the scope and methods of instruction in the various subjects of study:

COLLEGE PREPARATORY COURSES.

HISTORY.

The work in History extends through three terms and is intended to furnish such preparation in Ancient and English History as is usually required for admission to college.

1. Greek History. A history of Greek life and culture from the earliest accounts of the race to its conquest by the Romans. Botsford's History of Greece. Third term, Junior year.

2. Roman History. The history of Rome from the earliest times to the fall of the Empire. Leighton's History of Rome. First term, Middle year.

3. English History. A brief history of the English people from the Roman conquest to the present time. Coman and Kendall's History of England. Second term, Middle year.

ENGLISH.

The work in English extends over three years. In the first year the recitations are daily. Some of the simpler works of American literature are studied and drill in composition is given almost daily. In the second and third years the recitations are weekly. Two terms of the second year are given to the reading of representative English poems, Milton to Tennyson, with some study of the History of English Literature, and one term to declamation. One term of the third year is given to declamation, one to study of a play of Shakspeare and one to composition. In

connection with the Senior year work the Whipple and Smith Prizes are given. See page 48.

GREEK.

The study of Greek is begun in the Middle year and continues two years. In the first year White's First Greek Book is used, the first two terms being devoted to thorough drill in forms, vocabularies and simple syntax, accompanied by daily practice in oral and written translation from Greek into English and English into Greek. In the third term Book I. of Xenophon's *Anabasis* (Goodwin & White) is read and reviewed with exercises in Prose Composition (Woodruff) and special attention to irregular verbs and syntax.

In the Senior year Books II., III. and IV. of the *Anabasis* are read and carefully reviewed with a continuation of the work in composition. This work, which occupies the first term and a few weeks of the second, is followed by the reading of three books of Homer's *Iliad* (Seymour) with study of Homeric forms, scansion and mythology.

LATIN.

The course in Latin extends over three years. The object of the course is to give the student a thorough knowledge of forms, syntax, prosody, and accuracy and facility in translation.

JUNIOR YEAR:—Thorough drill in forms and elementary principles of syntax in the first term and the greater part of the second term. During the remainder of the year Cæsar's *Gallic War*, Book I., chapters 1-29, and Book II. Prose composition based on Cæsar's text. Johnston's revision of Lowe and Ewing's Cæsar.

MIDDLE YEAR:—Cæsar, Books III. and IV., during the greater part of the first term. During the remainder of the year Cicero's orations against Catiline and other orations equivalent in the amount of text to the orations against Catiline. Prose composition continued. Johnston's Cicero.

SENIOR YEAR:—Selections from Ovid, twelve weeks of the

first term. Vergil, four thousand lines of the first six books of the Aeneid. Kelsey's Ovid, Greenough and Kittredge's Vergil.

GERMAN.

The aim of this course in German is to enable the student to read at sight simple prose, and to afford him considerable familiarity with the forms and vocabulary of ordinary conversation.

FIRST TERM:—The work of this term is based largely upon Thomas's Practical German Grammar. Accompanying the study of syntax is daily practice in oral and written translation from English into German. The reading of simple selections from Hewitt's German Reader is early introduced, together with the memorizing of short stories and poems.

SECOND AND THIRD TERMS:—The reading and translation of the more advanced portions of Hewitt's Reader and selections from modern prose occupy a large part of these terms. The work of acquiring a vocabulary is emphasized. Facility in translation from English into German is sought by the use of passages based upon the texts read. Students are also expected to reply to simple questions in short, correct German sentences.

NATURAL SCIENCES.

Zoology: Orton's Comparative Zoology and Packard's Briefer Course are the text books used. In addition to the text book work typical forms are taken up for special study, and students are taught to observe and study the object itself. First term.

Botany: Gray's School and Field Book of Botany and McBride's Botany are used. The work takes up the structure and forms of plants and leads up to the system of classification. Each student collects, mounts and classifies sixty species of plants, including all the simpler orders as far as Compositæ. Second and third terms.

MATHEMATICS AND PHYSICS.

1. Elementary Algebra: Stringham's Smith's Elementary Algebra. This work takes the pupil by well graded steps to

quadratics. There is much drill work and rapid work for the securing of facility in the mechanical processes. The text is supplemented by problems from other books and from sets of examination papers. First and second terms, Junior year.

2. Advanced Algebra: Stringham's Smith's Elementary Algebra. This work takes up the theory of the quadratic, its solution, roots, invariants, and applications. The subject of fractional indices is considered, surds, and complex numbers. After this ratio, proportion and variation, with a miscellaneous review, close the work. Third term, Middle year.

3. Plane and Solid Geometry: Phillips and Fisher. This course occupies an entire year of daily work. It proceeds by the method of leaving the student more and more to discover for himself. It is an invaluable training in logic and insight. Original work is required every day, and frequent exercises in mechanical drawing supplement the text. Senior year.

4. Elementary Physics: Nichol's Outlines. This course is a combination of recitations, problems, and laboratory work. The student keeps a note-book, according to forms given, of over one hundred quantitative experiments performed by himself. The entire year.

BIBLE STUDY.

The courses of study in the English Bible offered to college students are open to mature students of the Academy, and these are not only permitted but advised to take up the work. The courses for 1900-1901 are outlined on page 27.

ENGLISH COURSE.

Arithmetic: Wentworth's Grammar School Arithmetic, Wentworth and Hill's Problems. The first and second terms are spent in a complete survey of the subject with a text book; the third term is devoted to a review, with a manual of problems as a basis.

Grammar: Reed and Kellog's Higher Lessons in English. The first term is devoted to text book work on the structure of

simple and complex sentences. The second term is devoted to a complete review of the previous work, and to the study of compound sentences and etymology. The third term is devoted to composition.

United States History: Fiske's History of the United States, supplemented by reference to works on special topics. The work of the second term consists of a thorough review and is also offered to those who have studied the subject and wish a review preparatory to teaching.

Civil Government: Dole's American Citizen. A description of town, city, county, state, and national governments; also a brief historical outline of their growth, supplemented by a limited amount of reference work. Special attention is paid to the civil government of Illinois.

PHYSICAL CULTURE.

Students in the Academy enjoy the same advantages for physical culture as those in the College. See pages 28-29.

ANNIVERSARY EXERCISES.

The anniversary exercises of the Academy are held on Monday of Commencement week.

Certificates of graduation are given to all who complete the regular courses of the Academy. These certificates entitle the holder to enter the Freshman class of Illinois College without further examination.

The graduating exercises consist of essays delivered from memory and declamations. As the class is generally too large for all to take part, eight students are appointed to represent the class. The appointments are made by the Faculty, who take into consideration: 1st, general proficiency in the studies pursued; 2d, special proficiency in rhetoric and elocution; 3d, gentlemanly conduct throughout the entire course.

The following appointments were made for 1899:

Curtis William Bunce.	Arthur Oliver Lindsay.
Ralph Irvin Dunlap.	John Antonio Vasconcellos.
William George Goebel.	George William Watson.
Chester Pratt Joy.	Walter Edwin Webster.

PRIZES.

During the year 1900-1901 prizes will be offered as follows:

To the Senior class: The Whipple Prize for declamation: 1st prize, ten dollars; second prize, seven dollars. To the Senior class: The Smith Prize of fifteen dollars for the best essay and work in composition during the year.

All prizes are awarded in books chosen by the successful student and approved by the Principal.

PRIZES AWARDED SINCE THE PUBLICATION OF THE LAST CATALOGUE.

WHIPPLE PRIZES, 1899.

1st Prize—Curtis William Bunce, Jacksonville.

2d Prize—Arthur Oliver Lindsay, Decatur.

SMITH PRIZE, 1899.

William George Goebel, Meredosia.

LITERARY SOCIETY.

The Academy students maintain an excellent literary society, the Philologian, which meets on Friday evening of each alternate week. It is open to all students over fifteen years of age and affords effective and thorough training in declamation, essay-writing, debate and parliamentary usage.

EXPENSES.

TUITION:—The charges for tuition in the Academy are as follows:

First Term.....	\$18.00	English Course...	\$15.00
Second Term.....	15.00	English Course...	12.00
Third Term.....	12.00	English Course...	9.00

This charge includes tuition, incidentals, gymnasium, baths, laboratories, etc. There are no extra charges of any kind except a library fee of \$2 a year. See also page 33 under college expenses.

ROOMS AND BOARD.—In order to reduce expenses, and bring a good education within the reach of any young man of ability and energy, Crampton Hall was built in 1874. It will accommodate fifty students. The accommodations are superior to those of ordinary dormitories. The rooms are large, well lighted, heated by steam, and provided with gas for lighting. The rooms are carefully inspected every month, and kept in good order. Two of the instructors have rooms in the Hall, and it is managed so as to make this an attractive home for young men. The rooms are rented at a cost just sufficient to cover fuel and repairs.

Each suite of rooms consists of a study room fifteen feet square, and a bedroom twelve by eight, and is occupied by two students. The study room is furnished with a large study table, and the bedroom with a woven wire mattress bed. Other articles of furniture may be brought from home or may be purchased in Jacksonville.

Room rent for First term, \$10; Second term, \$10; Third term, \$8.

The rooms are generally all engaged by the opening of school, and it is best to secure a room as early as possible. A deposit of two dollars sent to the Principal will secure a room, and the two dollars will be credited on the rent for the term, but will be forfeited in case the person does not occupy the room. Students rooming in Crampton Hall secure board as members of the students' boarding club. An excellent table is kept up, and the students pay only the actual cost, which is about \$2.50 per week.

Many of the students take furnished rooms near the Academy, paying from 75 cents to \$1.25 per week, and take their meals with the students' boarding club.

The Principal will aid students in finding pleasant and eco-

nomical boarding places. Board and furnished room in private families cost from \$3.50 to \$4.50 per week.

AID TO STUDENTS.

To aid worthy students in obtaining an education, the Whipple Scholarship and Bishop Scholarship have been founded, each paying the tuition and incidental expenses of one student.

Aid will be withdrawn from any student who does not maintain an average grade in all his studies of at least 80 per cent., or who falls below 70 per cent. in any study.

Students admitted free of tuition, who leave before completing the full course, are expected to pay the tuition for the time they are in the Academy.

Besides the direct aid offered the Principal will be glad to assist in finding remunerative employment for those who wish it. Every year some of the best students find work, either in the Academy or in some of the homes of Jacksonville, by means of which they materially aid themselves in securing an education. The Christian Association also maintains an employment bureau to assist students in obtaining work.

REGULATIONS.

Academy students are required to attend chapel.

Careful records are kept of the attendance and scholarship of students, and reports are sent to parents at the close of each term. Satisfactory excuses must be given for all absences.

In order to continue in a class a grade of not less than 60 per cent. is required. If a student does not maintain this grade he will be admonished, and if, after due trial, he is still unable to do the work he will be dropped from the class.

No student will be allowed to remain in the Academy who does not give evidence of diligent study, or who is unwilling to yield a cheerful obedience to the regulations of the institution.

Students not residents of Jacksonville are not allowed to leave

the city at any time without permission previously obtained from the Principal.

Recitations are conducted from 8:15 a. m. to 3:30 p. m. The Academy Study Hall, a pleasant and commodious room, is used for study and assistance in the preparation of lessons. An instructor is always in charge, who gives his whole attention to individual instruction and explanation. This has proved a valuable feature of the work of the Academy, supplementing the work of the class-room, and giving students the advantage of private instruction. Attendance is required unless excused by the Principal, and absences are reported as strictly as absences from recitations.

CONSPICUUS OF STUDIES.

FRESHMAN YEAR.

CLASSICAL.				PHILOSOPHICAL.				SCIENTIFIC.			
COURSE.	Day.	Hour.	Page	COURSE.	Day.	Hour.	Page	COURSE.	Day.	Hour.	Page
English— 1. Rhetoric. 2. Elocution.	{ M., W., F. }	2:30	19	English— 1. Rhetoric. 2. Elocution.	{ M., W., F. }	2:30	19	English— 1. Rhetoric. 2. Elocution.	{ M., W., F. }	2:30	19
Greek— 1. Homer. 2. Lysias. 3. Plato.	{ Daily. }	10:30	20	German— Reading and Composition, 2a, 2b, 3a, 3b, 4a, 4b.	Daily.	11:30	22	German— Reading and Composition, 2a, 2b, 3a, 3b, 4a, 4b.	Daily.	11:30	22
Latin— 1. Cato Major and Laelius. 2. Livy. 3. Horace.	{ Daily. }	9:30	21	Latin— 1. Cato Major and Laelius. 2. Livy. 3. Horace.	Daily.	9:30	21	Science— Biology 1, Text. Biology 2, Lab- oratory.	Daily.	1:30	23
Mathematics— 1a. Algebra. 1b. Trigonomé- try.	{ M., W., F. }	8:15	25	Mathematics— 1a. Algebra. 1b. Trigonomé- try.	{ M., W., F. }	8:15	25	Mathematics— 1a. Algebra. 1b. Trigonomé- try.	{ M., W., F. }	8:15	25
Bible—	T.	3:30	27	Bible—	T.	3:30	27	Bible—	T.	3:30	27

SOPHOMORE YEAR.				JUNIOR YEAR.				SENIOR YEAR.			
COURSE.	Day.	Hour.	Page	COURSE.	Day.	Hour.	Page	COURSE.	Day.	Hour.	Page
REQUIRED.				REQUIRED.				REQUIRED.			
History, 1.	T., Th.	8:15	17	History, 2.	M., W., F.	9:30	17	Philosophy.			
English, 3.	M., W., F.	8:15	19	History, 3.	T., Th.	9:30	17	Psychology.	Daily.	8:15	14
†German, 2a, 3a, 4a	M., W., F.	11:30	22	ELECTIVE.				Psycho-Physics.			
†French.	M., W., F.	11:30	23		M., W., F.	2:30	17	Moral Science.			
ELECTIVE.				Pedagogy.	T., Th.	1:30	16	ELECTIVE.			
				English, 4a, 4b,	M., W., F.	1:30	19	History, 4.	M., W., F.	2:30	17
Greek, 4, 5, 6.	M., W., F.	2:30	20	English, 5.	T., Th.	1:30	19	Economics, 1, 2, 3.	Daily.	10:30	18
Latin, 4, 5, 6.	Daily.	1:30	21	English, 9.	Daily.	11:30	20	Pedagogy.	T., Th.	1:30	16
German, 1.	Daily.	11:30	22	Greek, 4, 5, 6.	M., W., F.	2:30	20	English, 4a, 4b.	M., W., F.	1:30	19
German, 5, 6, 7.	T., Th.	2:30	23	Latin, 4, 5, 6.	Daily.	1:30	21	English, 5.	T., Th.	1:30	19
French.	M., W., F.	11:30	23	German, 5, 6, 7.	T., Th.	2:30	23	English, 9.	Daily.	11:30	20
Zoology, 1.	Daily.	10:30	24	French.	M., W., F.	11:30	23	Zoology, 1.	Daily.	10:30	24
Geology, 1.	T., Th.	11:30	24	Botany, 1.	Daily.	9:30	24	Botany, 1.	Daily.	9:30	24
Chemistry, 1.	M., W., F.	9:30	24	Zoology, 1.	Daily.	10:30	24	Geology, 1.	T., Th.	11:30	24
Chemistry, 2.	Daily.	2:30	24	Geology, 1.	T., Th.	11:30	24	Geology, 2.	M., W., F.	11:30	24
Mathematics, 1c.	T., Th.	9:30	25	Mathematics, 6a, 6b.	M., W., F.	2:30	26	Mathematics, 6a, 6b.	M., W., F.	2:30	26
Mathematics, 3.	M., W., F.	10:30	26	Mathematics, 7.	T., Th.	10:30	26	Mathematics, 7.	T., Th.	10:30	26
Bible.	T.	3:30	27	Bible.	T.	3:30	27	Bible.	T.	3:30	27

†German 2a, 3a, 4a is required of Scientific Sophomores who have had only German I.

†French is required of Scientific Sophomores who have had two years of German.

HOURS OF

ILLINOIS

CLASS.	Course	8:15	9:15	9:30	10:30
SENIOR.	ALL.	* { Philosophy. Psychology. Psycho-Physics. Moral Science. Daily.		Botany, 1. Daily.	Economics, 1, 2, 3. Daily. Zoology, 1. Daily. Mathematics, 7. T. Th.
JUNIOR.	ALL.			*History, 2. M., W., F. *History, 3. T., Th.	Zoology, 1. Daily. Mathematics, 7. T. Th.
SOPHOMORE.	Cl. Ph. Sc.	* { History, 1. T., Th. English, 3. M., W., F. * { History, 1. T., Th. English, 3. M., W., F. * { History, 1. T., Th. English, 3. M., W., F.	C H A P E L .	{ Chemistry, 1. M., W., F. Chemistry, 1. M., W., F. Chemistry, 1. M., W., F. Mathematics, 1c. T., Th.	{ Zoology, 1. Daily. Mathematics, 7. T. Th. Mathematics, 3. M., W., F.
FRESHMAN.	Cl. Ph. Sc.	*Mathematics, 1a, 1b. M. W. F. *Mathematics, 1a, 1b. M. W. F. *Mathematics, 1a, 1b. M. W. F.		*Latin, 1, 2, 3. Daily. *Latin, 1, 2, 3. Daily.	*Greek, 1, 2, 3. Daily.

*Required.

RECITATION.

COLLEGE.

11:30	1:30	2:30	3:30
English, 9. Daily.	Pedagogy. T., Th.	Mathematics, 6a, 6b. M., W., F.	Bible. T.
Geology, 1. T., Th.	English, 4a, 4b. M., W., F.	History, 4. M., W., F.	
Geology, 2. M., W., F.	English, 5. T., Th.		
English, 9. Daily.	Pedagogy. T., Th.	Mathematics, 6a, 6b. M., W., F.	Bible. T.
French. M., W., F.	English, 4a, 4b. M., W., F.	History, 4. M., W., F.	
	English, 5. T., Th.	German, 5, 6, 7. T., Th.	
Geology, 1. T., Th.	Latin, 4, 5, 6. Daily.	Greek, 4, 5, 6. M., W., F.	
Geology, 1. T., Th.	Latin, 4, 5, 6. Daily.	Greek, 4, 5, 6. M., W., F.	Bible. T.
German, 1. Daily.	Latin, 4, 5, 6. Daily.	German, 5, 6, 7. T., Th.	Bible. T.
French. M., W., F.		Chemistry, 2. Daily.	Bible. T.
†German, 2a, 3a, 4a. M., W., F.			
‡French. M., W., F.			
		*English, 1, 2. M., W., F.	Bible. T.
*German, 2a, 2b, 3a, 3b, 4a, 4b. Daily.		*English, 1, 2. M., W., F.	Bible. T.
*German, 2a, 2b, 3a, 3b, 4a, 4b. Daily.	*Biology, 1, 2. Daily.	*English, 1, 2. M., W., F.	Bible. T.

†German 2a, 3a, 4a is required of Scientific Sophomores who have had only German 1.

‡French is required of Scientific Sophomores who have had two years of German.

HOURS OF WHIPPLE

	CLASS.	SEC.	8:15	9:15	9:30	10:30
FIRST TERM.	SENIOR.	Cl. Ph. Sc.	German. German.			Ovid and Vergil Ovid and Vergil
	MIDDLE.	Cl. Ph. Sc.	Greek Lessons. Zoology.		Study Hall. Study Hall. Study Hall.	Caesar. Caesar. Caesar.
	JUNIOR.	ALL.	Latin Lessons.		Rhetoric.	Study Hall.
	ENGLISH.	ALL	Grammar.		Arithmetic.	Study Hall.
SECOND TERM.	SENIOR.	Cl. Ph. Sc.	German. German.	CHAPEL.		Vergil. Vergil.
	MIDDLE.	Cl. Ph. Sc.	Greek Lessons. Botany.		Study Hall. Study Hall. Study Hall.	Cicero. Cicero. Cicero.
	JUNIOR.	ALL	Latin Lessons.		English Literature.	Study Hall.
	ENGLISH.	ALL.	Grammar.		Arithmetic.	Study Hall.
THIRD TERM.	SENIOR.	Cl. Ph. Sc.	German. German.			Vergil. Vergil.
	MIDDLE.	Cl. Ph. Sc.	Anabasis. Botany.		Study Hall. Study Hall. Study Hall.	Cicero. Cicero. Cicero.
	JUNIOR.	ALL.	Caesar.		English Literature.	Study Hall.
	ENGLISH.	ALL	Grammar.		Arithmetic.	Study Hall.

RECITATION.

ACADEMY.

11:30	1:30	2:30	3:30
	Geometry. Geometry. Geometry.	Anabasis. Physics.	Bible, T.
Roman History. Roman History. Roman History.		Physics.	
	1st Algebra.	Study Hall.	
	U. S. History	Study Hall.	
	Geometry. Geometry. Geometry.	Iliad. Physics.	Bible, T.
English History. English History. English History.		Physics.	
	1st Algebra.	Study Hall.	
	U. S. History.	Study Hall.	
	Geometry. Geometry. Geometry.	Iliad. Physics.	Bible, T.
	2d Algebra. 2d Algebra. 2d Algebra.	Physics.	
History: East- ern Nations and Greece.		Study Hall.	
	Civil Government.	Study Hall.	

STUDENTS.

ILLINOIS COLLEGE.

GRADUATE STUDENTS.

Baxter, Samuel Wallace, Ph. B.	Jacksonville.
Crissman, Ralph Maclay, B. S.	Chicago.
Duckles, Myron Edward, B. S.	Jacksonville.
Kirby, Harry Nathaniel, Ph. B.	Jacksonville.
Reed, L. A., B. S.	Jacksonville.

SENIORS.

Ayers, Allan Farrell, C. 906 W. State St.	Jacksonville.
Balch, Charles Adams, S. 823 W. College Ave.	Jacksonville.
Bayne, John Julian, C. 9 Crampton Hall.	Mendon.
Burr, William Brown, P. 1430 Mound Ave.	Jacksonville.
Cole, Charles Edward, P. 216 W. College Ave.	Jacksonville.
Dirreen, George, P. 129 Pine St.	Virginia.
Duncan, William Percy, S. 356 E. State St.	Jacksonville.
Fairbank, Arthur Daniels, S. 905 Grove St.	Jacksonville.

Fulton, Edward Henry, S. 233 Prospect St.	Jacksonville.
Hewitt, Oscar Edwin, C. 644 S. Diamond St.	Chesterfield.
Kearns, John, Jr., C. W. Lafayette Ave.	Jacksonville.
Kirby, Benjamin, C. 843 S. Church St.	Tallula.
McDonald, Alexander Allan, C. 707 W. State St.	Jacksonville.
McNeil, Archibald Lachlan, S. 652 S. Diamond St.	Berlin.
Miller, Oscar, S. 1050 W. College Ave.	Loami.
Nelson, Eugene Greene, C. 27 Crampton Hall.	Walker, Mo.
Nelson, Victor Walfred, P. 842 W. North St.	Chicago.
Newcomer, Nathan Bennett, S. 857 W. State St.	Petersburg.
Saegesser, Louis Samuel, S. 618 N. Prairie St.	Nashville.
Walker, William Dalton, S. 429 S. Church St.	Jacksonville.

JUNIORS.

Barber, Clayton Jackson, P. 26 Crampton Hall.	Cantrall.
Clement, Charles Clinton, C. 25 Crampton Hall.	Greenfield.
Coleman, Frederick Coffin, P. 420 S. Main St.	Jacksonville.
Collins, Elbert Adrian, C. 921 W. State St.	Chillicothe.
Eames, Dwight Beverly, S. 622 W. State St.	Jacksonville.

Edminster, Bertrand Howard, S. 1127 Mound Ave.	Chillicothe.
Fell, Alfred E., C. 614 S. East St.	Jacksonville.
Frampton, John Ross, C. 6 Crampton Hall.	Pittsfield.
Gregory, Frederick LaRue, S. 825 S. East St.	Jacksonville.
Hopper, Thomas V., S. 301 N. Diamond St.	Jacksonville.
Kneeland, George Jackson, C. 1328 Mound Ave.	Griggsville.
Metcalf, Albert Caldwell, S. 223 Hardin Ave.	Jacksonville.
Read, Howard Woods, S. 1220 W. Lafayette Ave.	Jacksonville.
Sanford, William Sheppard, C. 1328 Mound Ave.	Bunker Hill.
Sneeden, Arthur Elmer, C. 310 W. North St.	Detroit.
Stanley, Cassius Miller, P. 872 Grove St.	Ashland.
Ufford, Cash Whitney, S. 7 Crampton Hall.	Lewiston.

SOPHOMORES.

Adams, Lloyd Lackland, C. 1109 W. State St.	Jacksonville.
Brockman, Leon Littlefield, S. 14 Crampton Hall.	Quincy.
Capps, Stephen Reid, P. 504 N. Church St.	Jacksonville.
Cocking, William Henry, S. 310 W. North St.	Jacksonville.
Crispin, Egerton Lafayette, S. 843 S. Church St.	Salem, N. J.

Dollear, Albert Henry, S. 523 W. College Ave.	Jacksonville.
Filson, Elbert Hugh, S. 8 Crampton Hall.	Concord.
George, Elvin David, S. 28 Crampton Hall.	Staunton.
Guy, Ira Octavius, S. 215 W. College Ave.	Topeka, Kan.
Hamilton, E. Bentley, Jr., C. 1328 Mound Ave.	Quincy.
Leonard, Selden Spencer, C. 211 S. Fayette St.	Jacksonville.
McHarry, John Williams, P. 8 Crampton Hall.	Havana.
McNeil, Robert Lincoln, C. 654 S. Diamond St.	Berlin.
Pires, Emanuel Conceicao, C. 1074 N. Main St.	Jacksonville.
Read, Harlan Eugene, C. 1220 W. Lafayette Ave.	Jacksonville.
Smith, Martin Leslie, S. 506 Jordan St.	Jacksonville.
Stimpson, Edwin LeRoy, S. 760 W. North St.	Jacksonville.
Stubbins, Robert Clinton, S. 912 W. State St.	Dongola.
Tontz, Knowles Shaw, C. 760 W. North St.	Highland.
Wemple, Paul Wilbur, P. 1328 Mound Ave.	Waverly.

FRESHMEN.

Bufte, Fred Gregory, S. Hockenhull Building.	Bloomington.
Doying, George Everett, Jr., S. 1017 W. College Ave.	Jacksonville.

Dunlap, Ralph Irvin, P. 1025 W. State St.	Jacksonville.
Fullenwider, Homer Ernest, S. 830 W. College Ave.	Mechanicsburg.
Goebel, William George, S. 306 N. Church St.	Meredôsia.
Goff, William Murray, S. 1309 W. College Ave.	Ashland.
Gregory, Abraham R., Jr., S. 825 S. East St.	Jacksonville.
Hatfield, Walter Wilber, C. 236 S. Park St.	Pittsfield.
Lindsay, Arthur Oliver, S. 12 Crampton Hall.	Decatur.
McNeil, Oswald Laurie, S. 654 S. Diamond St.	Berlin.
Megaw, Herschel Clarence, S.	Owaneco.
Mitchell, Dick A., S.	Duluth, Minn.
Nelke, Herbert Lesem, S. 845 W. State St.	Quincy.
O'Neal, Duval, S. W. College Ave.	Arnold.
Preston, Oimai Brewster, C. 433 N. Finley St.	Jacksonville.
Roedel, Charles, P. 10 Crampton Hall.	Shawneetown.
Rutledge, George, S.	Versailles.
Scott, Arthur, S. 805 E. College Ave.	Jacksonville.
Smith, Edgar Wilson, S. 506 Jordan St.	Jacksonville.
Stone, Lawrence Elmer, S. 21 Crampton Hall.	Lane.
Thompson, Jesse Madison, C. 310 W. North St.	Pittsfield.

Tontz, James Garfield, S. 760 W. North St.	Highland.
Vasconcellos, John Antonio, S. 324 E. College St.	Jacksonville.
Watson, George William, S. 1132 W. College Ave.	Lynnville.
White, Sumner, C. 711 W. College St.	Knox City, Mo.
Winterbottom, Joseph Erastus, C. 403 Mound Ave.	Jacksonville.
Wright, Charles Justus, S. 1301 Mound Ave.	Jacksonville.

SPECIALS.

Baumgartner, William O. 252 N. Webster Ave.	Ashland.
Bell, Clarence R. 823 W. College Ave.	Lowder.
Buckley, Cyrus McDoel, S. 9 Crampton Hall.	Petersburg.
Bunce, Curtis William. 211 S. Kosciusko St.	Jacksonville.
Cook, Ralph Wendling. College Hall.	Bowen.
Foster, Thomas Scurr. 622 W. College St.	Jacksonville.
Laird, Melvin Robert. 721 W. College Ave.	Maysville.
Roach, John Ralph. 19 Crampton Hall.	Concord.
Read, Walter Lee. 1220 W. Lafayette Ave.	Jacksonville.
Scott, George Irving. 1061 Grove St.	Chandlerville.
Winterbottom, James Gillham. 403 Lincoln Ave.	Jacksonville.

WHIPPLE ACADEMY.

SENIORS.

Baxter, Albert Crum.	Ashland.
Baxter, Arthur.	Griggsville.
Brockhouse, Edward Philip.	Concord.
Crum, Orville Leroy.	Literberry.
Doolittle, James Mason.	Jacksonville.
Ewert, Arthur Frederick.	Jacksonville.
Henderson, William Sydney.	Quincy.
Lane, Benjamin Franklin.	Riggston.
McCarty, Lawrence Rolon.	Arenzville.
Read, Ralph Russel.	Jacksonville.
Sturtevant, Bradford.	Jacksonville.
Webster, Walter Edwin.	Pleasant Hill.
Weeks, Harold Graham.	Arenzville.

MIDDLERS.

Allen, William Carroll.	Jacksonville.
Ayers, Wilfred Smith.	Jacksonville.
Bellatti, Walter.	Jacksonville.
Brown, William Barr.	Manzanola, Colo.
Carter, Clarence Edwin.	Jacksonville.
Carter, Sylvester Joy.	Chapin.
Colt, William Albert.	Manzanola, Colo.
DeFrates, Reuben Edgar.	Jacksonville.
Dinwiddie, James Garfield.	Arcadia.
Duckles, Fred Monroe.	Chesterfield.

Ferguson, Horace Lloyd.	Jacksonville.
Harmon, Robert Emmett.	Jacksonville.
Heigold, George Henry.	Jacksonville.
Lenington, John Allen.	Jacksonville.
Mansfield, Riley Alonzo.	Scottville.
McAfee, Marion Wallace.	Quincy.
McDonald, Marshall Paul.	Jacksonville.
McKown, Roy Zinn.	Jacksonville.
Nichols, Thomas Charles.	Quincy.
Nixon, Warren Case.	Jacksonville.
Pires, Joseph Hodge.	Jacksonville.
Rawlings, Roy Willard.	Jacksonville.
Ward, Lathrop Huntington.	Jacksonville.

JUNIORS.

Asplund, Emil Bunyan.	Little Indian.
Berry, Marcus Otto.	Batchtown.
Crum, Thomas Austin.	Virginia.
Cullimore, Clarence.	Jacksonville.
Cunningham, James Edward.	Jacksonville.
Cussins, Charles Elmer.	Owaneco.
DeFreitas, Charles Edward.	Jacksonville.
Gary, Russel Joseph.	Macon, Mo.
Gates, Marshall D.	Jacksonville.
Gay, Harold Chandler.	Jacksonville.
Goodburn, Lawrence Edward.	Browns.
Gray, Edward Samuel.	Jacksonville.
Haas, Eli Franklin.	Manito.
Joaquin, John Carl.	Jacksonville.

Oakes, Royal.	Bluffs.
O'Neal, Fred.	Orleans.
Scott, Ira Eneas.	Franklin.
Stevenson, H. Clark.	Jacksonville.
Stone, Roscoe Conkling.	Monticello.
Stringam, Horace Alvin.	Jacksonville.
Turner, Lewis Bradley.	Waverly.
Winterbottom, Jesse Newton.	Jacksonville.
Yokem, Jesse.	Atlas.

ENGLISH.

Balch, Horace Reed.	Jacksonville.
Cherry, Percy Edmond.	Jacksonville.
Coultas, Chester.	Winchester.
Draper, Oscar Carlson.	Jacksonville.
Hunter, Charles Andrew.	Jacksonville.
Kinman, John Leonard.	Jacksonville.
McMillan, William Cleary.	Jacksonville.
Rice, Clarence Leroy.	Jacksonville.
Schermerhorn, Frank Barlow.	Jacksonville.
Ward, Leland Jay.	Jacksonville.

SPECIALS.

Culver, Carl Albert.	Athens.
Doane, William Eldon.	New Salem.
Duffy, Frank Redmond.	Jacksonville.
Grage, Jochim Dedlef Frederick.	Jacksonville.
Lippincott, William Adams.	Jacksonville.
Miller, Oliver Jeremiah.	Rockbridge.

Rawlings, John Addison.	Orleans.
Swim, Charles William.	Rosemond.
Thornton, Charles Lovier.	Easton.
Ziegler, Edwin Earl.	Jacksonville.

SUMMARY.

ILLINOIS COLLEGE.		WHIPPLE ACADEMY.	
Graduate Students.....	5	Seniors	13
Seniors	20	Middlers	23
Juniors	17	Juniors	23
Sophomores	20	English	10
Freshmen	27	Specials	10
Specials	11		
	100		79
		Total of College and Academy.....	179

TRIENNIAL CATALOGUE

OF

ILLINOIS COLLEGE

1900

OFFICERS OF GOVERNMENT AND INSTRUCTION.

PRESIDENTS.

APPOINTED.		RETIRED FROM OFFICE.
1831	Rev. Edward Beecher, D. D.	1844
1844	Rev. Julian Munson Sturtevant, D. D., LL. D.	1876
1876	Rufus C. Crampton, LL. D. (Acting)	1882
1882	Rev. Edward A. Tanner, D. D.	1892
1892	John E. Bradley, Ph. D., LL. D.	1900

TRUSTEES.

1829	Hon. Samuel Drake Lockwood	1868
1829	William C. Posey	1849
1829	John Park Wilkinson	1841
1829	Rev. Theron Baldwin, D. D.	1870
1829	Rev. John Flavel Brooks	1886
1829	Rev. Mason Grosvenor, D. D.	1833
1829	Rev. Elisha Jenney	1870
1829	Rev. William Kirby	1851
1829	Rev. Julian M. Sturtevant, D. D., LL. D.	1831
1829	Rev. Asa Turner	1844
1831	Rev. Edward Beecher, D. D.	1844
1831	Rev. John G. Bergen, D. D.	1872
1832	John Tillson	1853
1834	Rev. Gideon Blackburn, D. D.	1838
1835	Hon. Joseph Duncan	1844
1835	Thomas Mather	1853

1835	Winthrop S. Gilman	1844
1835	Frederick Collins	1877
1838	Rev. Thomas Lippincott	1869
1842	David A. Smith	1866
1844	David B. Ayers	1850
1844	William H. Brown	1848
1844	Rev. Julian M. Sturtevant, D. D. LL. D.	1876
1844	Rev. William Carter	1871
1849	Rev. Albert Hale	1885
1852	Rev. Livingston M. Glover, D. D.	1870
1852	Rev. Edwin Johnson	1858
1852	John W. Lathrop	1886
1853	Hon. Richard Yates, LL. D.	1860
1854	John James, M. D.	1860
1859	Hon. Henry E. Dummer	1878
1860	Hon. James Berdan	1875
1860	Joshua Moore	1872
1866	Eliphalet W. Blatchford, A. M., LL. D.	1875
1868	Hon. Newton Bateman, LL. D.	1876
1870	Rev. William H. Savage	1877
1870	Rev. John K. McLean	1872
1871	Edward P. Kirby, LL. D.	—
1871	Col. Charles G. Hammond	1875
1871	Lorenzo Bull	1876
1874	Rev. Constans L. Goodell, D. D.	1886
1874	Rev. Martin K. Whittlesey, D. D.	1886
1875	Hiram K. Jones, M. D., LL. D.	1886
1875	Daniel W. Fairbank	1892
1876	Julius E. Strawn, A. M.	—
1877	Lloyd W. Brown, M. D.	1896
1877	Gen. Erastus N. Bates	1879
1877	Harvey W. Milligan, A. M., M. D.	1882
1878	Rev. William H. Collins, A. M.	—
1879	Marshall P. Ayers, A. M.	—
1878	William C. Goudy, LL. D.	1880
1880	Rev. George C. Adams	1890
1882	Robert Hockenull	1888
1885	Frank W. Tracy	—
1885	Charles S. Rannells, A. M.	—

1886	Thomas C. MacMillan, A. M.	—
1886	Charles Ridgely, A. M.	—
1886	Hon. Robert D. Russell, A. M.	—
1886	Aaron B. Mead	—
1886	Thomas J. Pitner, M. D.	—
1888	Bedford Brown, A. M.	1894
1891	William D. Marsh	—
1891	Charles H. Morse	—
1891	Egbert W. Gillett	—
1891	Ensley Moore, B. S.	—
1893	Henry F. Carriel, M. D.	—
1893	Rev. John B. Fairbank, D. D.	—
1895	Harold W. Johnston, Ph. D.	—
1896	Hon. Richard Yates, A. M.	1899
1896	Rev. Samuel H. Dana, D. D.	—
1896	Oliver J. Bailey	—
1897	Julian P. Lippincott, A. M.	—
1898	George H. Wilson, A. M.	—
1899	John E. Kehoe, B. S.	—

TREASURERS.

1829	John Park Wilkinson	1836
1836	Nathaniel Coffin	1848
1848	Joseph H. Bancroft	1850
1850	Hon. Samuel D. Lockwood	1852
1852	Henry S. Dutch	1852
1852	Samuel L. Whipple, M. D.	1858
1858	Hon. James Berdan	1869
1869	Hon. Henry E. Dummer	1874
1874	Edward P. Kirby, LL. D.	1898
1898	John A. Ayers, A. M.	—

PROFESSORS.

Intellectual and Moral Philosophy.

1831	Rev. Edward Beecher, D. D.	1844
1844	Rev. Julian M. Sturtevant, D. D., LL. D.	1870
1886	Rev. Edward A. Tanner, D. D.	1892
1892	John E. Bradley, Ph. D., LL. D.	1900

Mental Science and Science of Government.

1870	Rev. Julian M. Sturtevant, D. D., LL. D.	1886
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Moral Philosophy and Evidences of Christianity.

1870	Rev. Mason Grosvenor, D. D.	1880
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Natural Theology and Evidences of Christianity.

1886	Rev. Edward A. Tanner, D. D.	1892
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Mathematics, Natural Philosophy and Astronomy.

1831	Rev. Julian M. Sturtevant, D. D., LL. D.	1844
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1849	William Coffin, A. M.	1852
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Mathematics and Astronomy.

1854	Rufus C. Crampton, A. M., LL. D.	1888
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1891	James B. Shaw, Jr., D. Sc.	1898
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Latin and Greek Languages and Literature.

1834	Rev. Truman M. Post, D. D.	1847
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1848	Rev. Reuben S. Kendall	1852
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1853	Rev. Rufus Nutting, D. D.	1866
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Rhetoric and English Literature.

1833	Rev. Jonathan B. Turner	1847
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1854	Rev. William D. Sanders, D. D.	1869
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1872	Rev. Charles W. Clapp	1876
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1877	S. S. Hamill, A. M.	1878
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1882	Harvey W. Milligan, A. M., M. D.	1898
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Natural Philosophy, Chemistry and Natural History.

1838	Samuel Adams, A. M., M. D.	1877
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Latin Language and Literature.

1865	Rev. Edward A. Tanner, D. D.	1885
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1886	Harold W. Johnston, Ph. D.	1895
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1897	Frederick W. Sanford, A. B.	—
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Natural Sciences.

1871	Henry E. Storrs, A. M., Ph. D.	1887
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1894	Truman P. Carter, A. M.	—
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Greek Language and Literature.

1883	Edward B. Clapp, A. M., Ph. D.	1890
1892	Milton E. Churchill, A. M., B. D.	—

Philosophy.

1886	Hiram K. Jones, LL. D.	—
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Agricultural Science

1886	Samuel W. Parr, M. S.	1890
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English and Oratory.

1894	John M. Clapp, A. M.	1899
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Pedagogy.

1892	Rev. Joseph R. Harker, Ph. D.	1893
1894	Jacob A. Zeller, A. M.	—

Theory and Practice of Medicine.

1843	Daniel Stahl, M. D.	1844
1845	John James, M. D.	1847

Anatomy and Physiology.

1843	David Prince, M. D.	1845
1845	John L. Miller, M. D.	1847

Obstetrics.

1843	Henry Jones, M. D.	1848
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Materia Medica and Therapeutics.

1843	Samuel Adams, M. D.	1845
1845	Edward Mead, M. D.	1846
1846	Henry Wing, M. D.	1848

Surgery and Anatomy.

1844	William B. Herrick, M. D.	1844
1845	David Prince, M. D.	1848

Chemistry and Physical Etiology.

1845	Samuel Adams, M. D.	1848
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PRINCIPALS OF WHIPPLE ACADEMY.

1880	Harold W. Johnston, Ph. D.	1884
1884	Rev. Joseph R. Harker, Ph. D.	1893
1893	Augustus Walters	1894
1894	Jacob A. Zeller, A. M.	-----

INSTRUCTORS.

1830	Julian M. Sturtevant	1831
1831	William Kirby	1835
1832	Erastus Colton	1834
1833	Truman M. Post	1834
1833	Jonathan B. Turner	1834
1835	Zerah K. Hawley	1835
1835	Reuben Gaylord	1837
1839	Robert W. Patterson	1840
1843	Samuel Willard	1844
1844	William H. Starr	1846
1844	William Coffin	1849
1846	George W. Harlan	1848
1847	Rensselaer Winchell	1848
1848	Levi P. Crawford	1850
1849	Alfred L. Harrington	1852
1850	William Bishop	1852
1852	Spooner Ruggles	1852
1852	Joseph C. Pickard	1856
1852	Henry M. Tupper	1854
1852	Edward Ruggles	1853
1853	James H. Blodgett	1854
1854	Alfred N. Denny	1855
1855	Julian M. Sturtevant, Jr.	1856
1856	James W. Sturtevant	1857
1865	William Dodd	1866
1865	Franklin Adams	1865
1865	J. Tilden Moulton	1866
1866	George B. Dodge	1867
1866	James H. Palmer	1867
1869	George W. Bailey	1882
1870	Henry E. Storrs	1871
1870	S. F. Randall	1871

1870	Alfred H. Sturtevant	1883
1874	Clement L. Clapp	1875
1875	Frederick A. Brown	1876
1876	Charles B. Reynolds	1878
1878	George R. Walker	1880
1880	Harold W. Johnston	1886
1881	Clarence D. Rogers	1881
1882	Hiram T. Smith	1882
1882	Edward B. Clapp	1883
1884	Herbert M. Clarke	1885
1884	Joseph R. Harker	1892
1885	Samuel W. Parr	1886
1887	John C. Rice	1888
1887	Edward Capps	1888
1887	Murray M. Morrison	1888
1888	George L. Merrill	1894
1888	Thomas W. Smith	1890
1888	J. Howard Pratt, Jr.	1890
1890	James B. Shaw	1891
1890	John M. Clapp	1894
1890	Henry E. Scott	1891
1891	Truman P. Carter	1894
1892	Frederick W. Sanford	1894
1894	Edwin G. Baldwin	1895
1894	James W. Putnam	----
1895	Willard H. Garrett	----
1895	Frederick W. Sanford	1897

CATALOGUE OF ALUMNI.

FROM 1835 TO 1900.

The Faculty desire to make the next catalogue more accurate and complete, and will be grateful to any one who will call attention to errors or omissions in the present one. All alumni are urged to notify the Secretary of the Faculty of changes of address and later degrees.

1835.

*Spilman, Rev. Jonathan E., D. D., Central Univ.

2—*Yates, Richard, LL. D., Beloit College.

1836.

Barton, Rev. Charles B., A. B., Retired Clergyman. Jacksonville.

*Morse, James K., A. B.

*Dixon, Rev. Alvin M., A. M.

4—*Stewart, James P., A. M.

1837.

*Blood, Rev. Charles E., A. M.

*Patterson, Robert W., D. D., Hamilton Col.

3—*Scofield, Rev. Edward, A. M.

1838.

*Burritt, William H., A. B.

*Carlin, Rev. William H., A. B.

*Curtiss, Rev. William S., D. D., Madison Univ.

*Hall, Rev. Eli E., A. M., LL. B., Yale Univ.

*Hitchcock, Rev. Allen B., A. B.

*Laurie, Rev. Thomas, D. D., Williams Col.

*Mears, Rev. Rollin, A. M.

*Nelson, Rev. David D., A. B.

9—*Perry, Rev. Ralph, A. M.

1839.

*Chandler, Jesse, A. B.

*Curtiss, Rev. George C., D. D., Hamilton
College.

*Goudy, Calvin, A. M., M. D., Univ. of
Missouri.

*Goudy, Robert, A. B., M. D.

*Graves, Rev. Joseph S., A. M.

*Kendall, Rev. Reuben S., A. M.

*Porter, Joseph N., A. B.

8—*Simpson, Rev. Charles D., A. M.

1840.

*Hicks, Rev. Marcus, A. M.

*Holmes, Rev. William, A. M.

*Jones, Rev. Williston, A. M.

*Kenworthy, Rev. Thomas C., A. B.

*Nelson, Henry A., A. B.

*Pearson, Rev. Reuel M., A. M.

*Pyle, Rev. George, A. M.

*Turner, Rev. Edward B., A. B.

9—*Wells, Rev. Shepard, A. M.

1841.

*Chapman, John H., A. B.

*Coffin, Rev. William, A. M.

Dunham, Levinus, A. B., M. D., Univ. of
Missouri. St. Louis, Mo.

4— Spencer, Joseph, A. B.

1842.

*Bradley, William P., A. M.

Estabrook, Abel W., A. B. Elgin.

Fagg, Thomas J. C., A. M., LL. D., Law-
yer. Louisiana, Mo.

*Fairbank, Rev. Samuel B., D. D.

*Low, Jeremiah D., A. B.

*Lyman, Azel S., A. B.

7—*Whitney, Jackson D., A. B.

1843.

Ayers, Marshall P., A. B., Banker; Trustee of Illinois College. Jacksonville.

Baker, Edwin S., A. M., Retired Farmer. Cherry Vale, Kan.

*Bateman, Newton, LL. D.

*Beecher, Rev. Thomas K., D. D.

*Merritt, Rev. William C., A. M.

Morton, John T., A. M. Topeka, Kan.

*Starr, Rev. William H., A. M.

*Strode, Rev. Eugene, A. M.

*Thayer, Charles F., A. B.

10—Willard, Samuel, A. M., M. D., LL. D.,

Knox College; Professor History
West Div. High School, now retired.

865 Jackson Boul'd, Chicago.

1844.

Henry, Rev. James H., A. M.

*Howell, Rev. John S., A. B.

Jones, Hiram K., M. D., LL. D., Professor
of Philosophy in Illinois College. Jacksonville.

*Phillips, Parmenio L., A. M., M. D.

*Tillson, Charles H., A. B.

6—*Wing, Henry, A. M., M. D.

1845.

Blatchford, Eliphalet W., A. M., LL. D.,
Illinois College. 375 La Salle Ave., Chicago.

*Carter, William C., A. B.

Catlin, Rev. William E., A. M., Retired
Clergyman; Member of Catlin Land
and Live Stock Co. White Sulphur Springs, Mont.

*Collins, Henry T., A. M.

*Goudy, William C., A. M., LL. D.

*Ireland, Rev. William, A. M.

*Jones, Erastus S., A. M., M. D.

*Lewis, Barbour, A. M.

*Lyons, Henry M., A. M., M. D., College
Physicians and Surgeons, New York.

Milburn, Rev. W. H., A. M., D. D., Chaplain of U. S. Senate. Washington, D. C.

Ward, Timothy, A. B.

12—Winchell, Rev. Rensselaer, A. M. Northampton, Mass.

1846.

*Baldwin, Florence E., A. M.

Harlan, Rev. George W., A. M. Farmington, Mo.

3—*Shaw, John B., A. M.

1847.

Ayers, Augustus E., A. B., Banker. Jacksonville.

Bishop, William, A. M., D. D., LL. D.,
Lecturer on Sociology in the College
of Emporia.

Salina, Kan.

Clark, John G., A. B., Lawyer.

Lancaster, Wis.

Epler, Cyrus, A. B., Lawyer.

Jacksonville.

Giddings, Frederick S., A. B., Yale University, Lawyer.

Madison, Wis.

*Ireland, Rev. Henry P., A. B.

Jayne, William, A. M., M. D., Univ. of
Missouri.

Springfield.

8—*Wilkinson, Robert, A. M.

1848.

*Craig, David, A. B.

Crawford, Rev. Levi P., A. M., Retired
Clergyman.

Pasadena, Cal.

*English, James W., A. M.

*Lippincott, Charles E., A. M., M. D., St.
Louis University.

*Pierson, Rev. George, A. M.

Strawn, Rev. William, A. M., Farmer.

Odell.

7—*Van Eaton, Henry S., A. M.

1849.

Crawford, Phineas W., A. B., Lawyer.

Dubuque, Iowa.

*Doane, Rev. Edward T., A. B.

*Engelbach, Herman, A. B.

Harrington, Rev. Alfred L., A. M., Re-
tired Clergyman.

Pawnee City, Neb.

*Thayer, Rev. Gustavus H., A. M.

6—*Williams, James H., A. M.

1850.

Collins, Rev. William H., A. M., Retired
from Business; Trustee of Illinois
College. Quincy.

2—*Ruggles, Rev. Edward, A. M.

1851.

Dunham, Cornelius L., A. M.

English, John W., A. B., Judge of Su-
preme Court. Pt. Pleasant, W. Va.

Gladney, Charles, A. B., Farmer. Annada, Mo.

*Ruggles, Rev. Spooner, A. B.

5—*Vanstavoren, Rev. Abraham, A. B.

1852.

Chambers, Roland R., A. B., Merchant. Jacksonville.

Dixon, Rev. J. J., A. M. Bunker Hill, Kan.

Knox, William A., A. M., M. D., Univer-
sity of Louisville.

780 W. Monroe St., Chicago.

Prince, Edward, A. B., Civil Engineer. Quincy.

*Smith, Thomas W., A. M.

Stryker, Henry, A. M., Lawyer. Jacksonville.

7—Tunnell, Rev. Robert M., A. B., Pastor
Congregational Church. Manhattan, Kan.

1853.

Blodgett, James H., A. M., in Govern-
ment Service. 1229 N., N. W., Washington, D. C.

Fisk, Rev. Eli C., A. M., Farmer. Havana.

Merrill, Stephen A., A. B., M. D. Los Angeles, Cal.

Selby, Paul, A. M., Editor of Historical
Encyclopedia of Illinois.

3813 Rhodes Ave., Chicago.

5—Sydnor, Anthony W., A. B., M. D., Far-
mer. Shattuc.

1854.

- Bishop, Robert H., A. B., Justice of the Peace. Salina, Kan.
- *Denny, Rev. Alfred N., A. M.
- *Gore, John, B. S.
- *Happy, William W., A. M.
- *Jones, Cumberland G., A. M., M. D., St. Louis Medical College.
- Keyes, Charles A., A. B. Springfield.
- Kirby, Edward P., LL. D., Lawyer; Trustee and Secretary of Board of Trustees of Illinois College. Jacksonville.
- *Laurie, Rev. Inglis, A. B.
- Nash, Daniel B., A. M., Lawyer. The Vermont. 51st St., Chicago.
- Ridgely, Charles, A. M., Vice President Ridgely National Bank. Springfield.
- Roberts, Rev. James G., D. D., Drury College. 339 McDonough St., Brooklyn, N. Y.
- Strong, John D., B. S., Lawyer. St. Joseph, Mo.
- 13—Sturtevant, Rev. Julian M., A. M., D. D., Pastor of Ravenswood Congregational Church. 832 Wilson Ave., Chicago.

1855.

- *Brown, Daniel J., A. B.
- Burt, Rev. Jirah S., A. M., Bible Evangelist. Pittsfield.
- *Noyes, Rev. George C., D. D.
- Finley, William H., B. S., M. D., Surgeon and Druggist. Franklin, Neb.
- Lacey, Lyman, A. M., Lawyer. Havana.
- Mathews, Asa C., A. M., Lawyer. Pittsfield.
- 7— Van Eaton, Flavel H., B. S., M. D. 415 Union St., Olympia, Wash.

1856.

- *Bates, Richard, A. B.
- Bergen, Abram S., A. B., Lawyer. Topeka, Kan.
- *Eno, Francis V. L., A. M.

- *Geyer, Edward T., B. S.
 Marsh, Henry L., A. B.
 McCord, Rev. Robert L., A. B., Retired
 Clergyman Lake City, Iowa.
 Moore, George W., B. S., Farmer. Arnold.
 Morris, Rev. James C., A. M., D. D., Pas-
 tor First M. E. Church. Memphis, Tenn.
 Moulton, Jotham T., A. M. Aurora, Ark.
 *Nutting, Rev. William J. G., A. B.
 *Sewall, William W., B. S.
 Smith, James D., A. M., Farmer. New Berlin.
 Smith, John P., A. M. New Berlin.
 14-*Sturtevant, J. Warren, A. M.

1857.

- Branson, Nathaniel W., A. B., Lawyer. Petersburg.
 Capps, Stephen R., A. M., Manufacturer. Jacksonville.
 English, George H., B. S. 1024 Oak St., Kansas City, Mo.
 Fairbank, Rev. John B., A. M., D. D.,
 Trustee of Illinois College. Godfrey.
 *Gibbs, William H., A. M.
 *Kerr, Charles D., A. B.
 *McLaughlin, Rev. James, A. B.
 Potts, William M., A. B. Whitehall.
 Shaw, James, A. B., Judge 15th Judicial
 Circuit. Mount Carroll.
 Symonds, Edwin K., A. B., Insurance
 Agent. 88 Park Ave., Chicago.
 *Tanner, Rev. Edward A., D. D.
 12-*Turner, Rudolphus K., A. M.

1858.

- *Ardery, Harrison W., B. S.
 Ayers, James C., B. S. Aurora.
 Comer, Sater C., A. B., Farmer. Elvaston.
 Draper, Daniel M., A. M. Denver, Col.
 Epler, James M., B. S., Lawyer. Seattle, Wash.
 Epler, William Frank, B. S. Seattle, Wash.
 *Ferguson, William C., A. M.

*Hanback, John E., A. B.

McCowen, James, B. S. 632 W. 61st St., Chicago.

Miller, Rev. John W., A. M.

*Moore, John A., B. S.

*Philbrick, Charles H., A. M.

*Rouse, George W., B. S.

14-*Wood, John H., A. M.

1859.

Bristow, Edmund H., A. M., Lawyer. Aberdeen, Miss.

Callon, William P., B. S., Lawyer. Jacksonville.

*Dayton, Ephraim, B. S.

Eaman, John M., A. B., Druggist.

25 Henry St., Detroit, Mich.

*Eno, Edward B., A. M.

*Estabrook, Henry N., B. S.

*Gaty, Samuel T., B. S.

Gill, Rev. William, A. B.

River Falls, Wis.

*Jones, William W., B. S.

McConnel, Edward, A. M., Lawyer.

Jacksonville.

Reed, Albert, A. B.

Newton, Iowa.

*Reed, Lyman C., A. M.

*Roberts, Rev. George L., A. M.

Tindall, Daniel W., B. S., M. D., Farmer. Taylor, Mo.

15—Wolcott, Richmond, A. M., Lawyer.

Springfield.

1860.

*Adams, Franklin, A. M.

Ballard, John A., A. M.

*Booth, Thomas, A. B.

*Brown, Charles S., A. M.

Bulkley, Robert H., A. M., Real Estate

Dealer.

Hotel Luzerne, Chicago.

Edgar, William H., A. B., Editor Daily

Express.

Beatrice, Neb.

*English, William L., A. M.

Hamilton, Elisha B., A. B., Lawyer.

Quincy.

Smith, David B., A. M.

Jacksonville.

Smith, John A., A. M., Farmer.

Jacksonville.

Turner, John B., A. B. Butler.
 12-*Turner, William H., B. S.

1861.

Berry, Milton, A. B., Police Magistrate. Ashland, Ore.
 *Brown, John W., A. B.
 *Cassell, Harrison O., A. B.
 Craig, James W., B. S., Retired Farmer. Woodson.
 *English, George A., B. S.
 *Epler, Myron L., A. B.
 *Fry, John D., B. S.
 *Halbert, Robert A., A. M.
 Hamilton, Samuel S., A. M.
 Keplinger, Hardin G., B. S., Banker. Franklin.
 Lansden, John M., A. B., LL. D., Albany
 Law School. Cairo.
 Littell, Stephen B., B. S. Winfield, Kan.
 Post, Henry M., A. B., Lawyer.
 1002 Fullerton Building, St. Louis, Mo.
 *Saunderson, Michael, A. B.
 Strawn, Julius E., A. M., Trustee Illinois
 College. Jacksonville.
 16—Whipple, Nathaniel L., A. B., M. D., St.
 Louis Medical College. Pleasant Gap, Mo.

1862.

Bergen, Rev. George S., A. M.
 11 W. 106th St., New York City.
 *Capps, William E., A. M.
 *Gallaher, William G., A. M.
 Garlick, Joshua P., A. B., Teacher. Oakland, Cal.
 Hitchcock, Norman S., A. B., Contractor. Jerome, Ari.
 Martin, J. C., A. M. Oakland, Cal.
 *Newman, Jesse B., A. M.
 *Patton, Matthew, B. S.
 *Oliver, Rev. William C., A. B.
 Pitner, Thomas J., B. S., M. D., Columbia
 College; Trustee of Illinois College
 and Illinois Woman's College. Jacksonville.

Ross., John W., A. M., LL. D., University of Georgetown, Lawyer.

1334 Yale St., Washington, D. C.

Thompson, David W., A. M.

326 W. 61st Pl., Englewood.

Wakely, Thomas A., A. M., M. D., Rush

Medical College.

Jacksonville.

14-*Wood, George G., B. S.

1864.

Atkinson, Rev. William H., A. B.

San Rafael, Cal.

Brown, James A., A. M.

Los Angeles, Cal.

Cutler, Rev. William A., A. B.

Rankin.

Dickinson, Rev. Ferdinand W., A. M.

Candor, N. Y.

*Masters, William T., A. B.

McClung, Rev. John S., A. B.

Wichita, Kan.

7— Parker, Martin V. B., A. B., Lawyer.

Olathe, Kan.

1865.

Brenholt, John J., B. S., Lawyer.

Alton.

Douglas, Rev. Truman O., A. B., D. D.,

Secretary Iowa Congregational

Home Missionary Society.

Grinnell, Iowa.

Hamilton, Eli B., A. B.

Terre Haute, Ind.

King, Rev. David, B. S.

Carthage, Mo.

Metcalf, Hiram B., B. S.

6—*Turner, Charles A., A. B.

1866.

Bristow, Frank L., A. M., Supervisor of

Music in Public Schools.

Covington, Ky.

Carter, Joseph N., B. S., LL. D., Justice

of the Supreme Court of Illinois.

Quincy.

Cassell, Martin H., A. B., M. D., Jefferson

Medical College.

Davenport, Iowa.

Foster, William H., B. S.,

Kansas City, Mo.

Green, Oliver S., B. S., Live Stock Com-

mission. 127 Exchange Building, Chicago.

*Masters, James D., B. S.

7— Taylor, Francis A., A. M.

Apopka, Fla.

1867.

- Brown, Benjamin W., A. B., Farmer. Berlin.
 Campbell, Ernest L., A. B., Lawyer.
 Mills Building, San Francisco, Cal.
 Dunn, Edward, B. S. St. Louis, Mo.
 Govert, William H., B. S., LL. B., Univ.
 of Michigan, Lawyer. Quincy.
 Holmes, John M., A. M., Lawyer.
 Union Trust Building, St. Louis, Mo.

*Jones, Frederick A., A. B.

*Mason, Ebenezer, A. M.

Morrison, John G., B. S., LL. B., Univ.
 of Michigan, Lawyer, Retired. Lincoln, Neb.

9— Reynolds, Thomas, A. B., Farmer. Jacksonville.

1868.

- Barber, Edward A., A. B., Lawyer. Springfield, Mo.
 Barber, George C., A. M., Cashier of
 Stroud State Bank. Stroud, Ok.
 Beggs, Robert H., B. S., Principal of
 Whittier School. 2427 Ogden St., Denver, Col.
 Elliott, Frank, A. M., Banker. Jacksonville.
 Fayerweather, William F., A. B. Kansas City, Mo.
 McCann, Franklin M., B. S., Lawyer. Quincy.
 Meek, Joseph A., A. B., M. D.

6351 Parnell Ave., Chicago.

Miller, George W., B. S., M. D., Missouri
 Medical College. Woodson.

Moore, Ensley, B. S., Journalist; Trustee
 of Illinois College. Jacksonville.

Munroe, James E., B. S. 205 La Salle St., Chicago.

Nichols, Samuel W., A. M., Secretary
 Journal Co. Jacksonville.

Paxson, Alfred A., A. M., LL. B., Wash-
 ington University. Houser B'ld'g, St. Louis, Mo.

13—Williams, George W., B. S. Seneca, Kan.

1869.

Ayers, John A., A. M., Banker; Treasurer
 of Illinois College. Jacksonville.

Bailey, George W., A. M., Investment
Broker. 309 McPhee B'd'g, Denver, Col.

*McClintock, John H., B. S.

Robertson, John T., B. S., Banker. Virginia.

Spears, John H., B. S., Lawyer.

Marquette B'd'g, Chicago.

6— White, Robert, B. S., Lumber Merchant. Knox City, Mo.

1870.

Baker, Francis M., B. S., Grain Dealer. Atchison, Kan.

Brown, Albert C., A. B., M. D., Bellevue

Hospital Medical College.

4729 Langley Ave., Chicago.

Grimes, John M., B. S., Lawyer.

804, 91 Dearborn St., Chicago.

King, Joseph R. H., B. S., Lawyer. Wichita, Kan.

King, William M., A. B. 63-65 Wall St., New York City.

Morrison, Rt. Rev. Theodore N., A. B.,

D. D., Illinois College, Bishop of
Iowa.

Davenport, Iowa.

Stevens, John S., A. M., Lawyer.

1037 Walnut St., Chicago.

Sturtevant, Alfred H., A. M., Farmer. Kushla, Ala.

9— Turner, Howard A., A. B., Lawyer.

909 Guaranty B'd'g, Minneapolis, Minn.

1871.

Brown, Charles G., B. S., M. D., Long

Island Medical College.

Spokane, Wash.

Bryson, Orpheus C., B. S., Lawyer.

Louisiana, Mo.

Doocy, Edward, B. S., Lawyer.

Pittsfield.

*McDonald, Edward L., B. S., LL. B.,

Michigan University.

McDonald, Frederick A., A. M., Real Es-

tate and Insurance.

Seattle, Wash.

Morrison, Thomas A., B. S., Orange

Grower.

Riverside, Cal.

Russell, Robert D., A. M., Lawyer; Trus-

tee of Illinois College.

1605 1st Ave. So., Minneapolis, Minn.

8— Wing, Edgar D., A. M., M. D., Bellevue
Medical College. Galesburg.

1872.

*Ellison, A. Josiah, B. S.
Kellogg, Franklin E., B. S., Orchardist. Goleta, Cal.
Lippincott, Julian P., A. M., Lawyer;
Trustee of Illinois College. Jacksonville.
Pomeroy, Samuel F., B. S., Furniture
Dealer. Edgar, Neb.
Simms, Julian R., A. M., M. D., Missouri
Medical College. Racine, Wis.
Stout, Jacob V. D., A. B., Book-seller. Jacksonville.

7— Wood, William D., A. M. Jacksonville.

1873.

*Johnson, Rev. William M., A. M., B. D.,
Boston University.
Kellogg, Florentine L., B. S., Lawyer. Santa Barbara, Cal.
*McDonald, Francis I., B. S.
*Montgomery, Albon S., B. S.
Ross, George C., B. S., LL. B., University
of Michigan, Lawyer. Belmont, Cal.
Sanders, William B., A. M., LL. B., Al-
bany Law School, Lawyer.
846 Euclid Ave., Cleveland, O.

*Stewart, Henry C., A. B.
Ward, James R., A. M., Lawyer.
828 Reaper Bl'k, Chicago.

9— Winterbottom, Rev. Joseph, A. B. Jacksonville.

1874.

*Brown, Frederick A., A. B.
Brown, Sylvester S., B. S., Railway Ser-
vice, Santa Fe R. R. Kansas City, Mo.
Day, Henry P., A. M., Journalist. Peoria.
Prince, Arthur E., Ph. D., M. D., Univer-
sity of New York. Springfield.
Rice, Albert C., B. S., Farmer. Arnold.

6— Root, Chauncey A., A. B.
1328 Marion St., Denver, Col.

1875.

- Clapp, Edward B., A. M., Ph. D., Yale Univ.; Prof. of Greek in University of California. Berkeley, Cal.
 Rice, Walter S., B. S., Farmer. Jacksonville.
 Rutledge, James O., B. S., Stationary Engineer. Butte, Mont.
 4— Wing, Elbert, A. M., M. D., Chicago Medical College. 4822 Lake Ave., Chicago.

1876.

- Barnes, Charles A., A. M., Lawyer; County Judge. Jacksonville.
 Block, Emanuel D., A. B., M. D., Black Jack, Mo.
 Connell, Joseph B., B. S., LL. B., University of Michigan, M. D., Kansas City Medical College, Physician.
 324 Altman B'ld'g, 11th & Walnut, Kansas City, Mo.
 Dodsworth, William T., B. S., Farmer and Real Estate Dealer. Franklin.
 Dummer, Charles Henry, A. B., Lawyer.
 425, 218 La Salle St., Chicago.
 Epler, Carl E., A. M., LL. B., Univ. of Mich., Lawyer, County Judge. Quincy.
 Grout, Joseph M., A. M., Lawyer. Springfield.
 Kellogg, William R., B. S., Editor and Publisher. Jamestown, N. D.
 Morrison, William W., B. S., Farmer. Coin, Iowa.
 10—*Turner, Frederic C., A. B.

1877.

- Ayers, Edward A., A. M., M. D., University of New York. 23 W. 53d St., New York.
 Elliott, Henry, A. B., Architect. Chicago.
 *Morrison, Wilbur A., B. S.
 4— Todd, Rev. David E., A. B. Payson.

1878.

- *Connell, Charles Herbert, B. S.
 Morrison, Rev. Charles R., A. M. Payson.

Morse, Charles L., B. S.

19th and Allegheny Ave., Philadelphia, Pa.

Palmer, Everett B., A. B., Merchant.

426 16th St., Denver, Col.

Smith, Frank E., B. S., LL. B., Banker. Belvidere, Neb.

6—Wadsworth, Henry E., B. S., Hardware
Merchant.

Jacksonville.

1879.

Antle, Thomas P., B. S., M. D. Petersburg.

Curtiss, Charles F., A. B., Farmer. Modesto.

Dennis, T. Fletcher, A. M., LL. M., Co-
lumbian Univ. Law School; Re-
viewer U. S. Bureau of Pensions.

1615 Florida Ave., Washington, D.C.

Downing, James M., B. S., Lawyer. Aspen, Col.

Downing, John F., B. S., President of
New England Nat'l Bank of Kan-
sas City. New England B'd'g, Kansas City, Mo.

Hockenhull, Robert M., B. S., Banker. Jacksonville.

Johnston, Harold W., A. M., Ph. D., L.
H. D., Kenyon College, Professor
of Latin in Indiana University;
Trustee of Illinois College. Bloomington, Ind.

Moulton, Herbert A., B. S., M. D., Oculist
and Aurist. Ft. Smith, Ark.

Nusbaum, Charles, B. S., LL. B., Univ. of
Michigan, Lawyer. Petersburg.

Rannells, Charles S., A. M., Railroad and
Warehouse Commissioner; Trustee
of Illinois College. Jacksonville.

Rice, William P., B. S., Farmer. Ainsworth, Iowa.

Sanders, Charles S., A. B., Insurance
and Brokerage. Jacksonville.

13—Sanders, J. Kent, B. S., A. M., M. D.

608 Prospect St., Cleveland, O.

1880.

Butler, Rev. Elmer W., A. B., B. D., Chi-
cago Theological Seminary. Melbourne, Fla.

- Carter, William W., B. S., Farmer. Jacksonville.
 *Cherryholmes, Rev. James C., A. B.
 *Clapp, Elliott Lee, A. B.
 Collier, John, A. M., Merchant. Red Canon, Wyo.
 Crocker, George L., A. M., D. V. S., M. D. Springfield.
 Epler, Ernest G., A. B., M. D. Ft. Smith, Ark.
 Goodin, Hardin E., B. S. Leadville, Col.
 Green, Edgar N., B. S., Merchant.
 508 16th St., Denver, Col.
 Kaime, Edwin F., A. B., Real Estate and
 Mining. 606 Boston B'd'g, Denver, Col.
 Moseley, Theodore F., A. M., Prune
 Grower. Vancouver, Wash.
 Shaw, Rev. William B., B. S., LL. B., B.
 D., Pastor of Pilgrim Congrega-
 tional Church. Arkansas City, Kan.
 Simons, Henry C., B. S., Lawyer. Virden.
 Thome, Arthur G., A. M., M. D.
 239 Lincoln Ave., Chicago.
 Waite, George G., B. S., Bookkeeper and
 Cashier for National Biscuit Co. Lincoln, Neb.
 *Ware, Joseph E., B. S.
 Wing, Horace B., A. B., M. D. Los Angeles, Cal.
 18—Yates, Richard, A. M., LL. B., Univ. of
 Michigan, Lawyer; U. S. Collector
 Internal Revenue. Jacksonville.

1881.

- *Beekman, William H., B. S.
 Brown, William B., A. B., Agriculturist. Manzanola, Col.
 Bryan, William J., A. M., LL. B., Univer-
 sity of Chicago, Lawyer. Lincoln, Neb.
 *Crampton, Edward H., A. B.
 Donahue, Jeremiah, B. S., LL. B., Univer-
 sity of Michigan, Lawyer. Decatur.
 Drennan, John B., A. B., LL. B., Univ. of
 Michigan, Editor Decatur Review. Decatur.
 *Eveland, Rev. Samuel, B. S.
 Fisher, Walter E., B. S., M. D. Washington, Conn.
 Hulett, Granville A., A. B., M. D. Springfield.

- *Kinnett, Oscar F., B. S.
 McKinney, Rev. Samuel J., A. B. Jacksonville.
 *Morris, John B., A. B.
 Rutledge, Charles G., B. S. Jacksonville.
 Stewart, Francis W., B. S., Abstracter of
 Titles. Princeton.
 15—Wadsworth, Rev. Julian S., B. S., Pastor
 of M. E. Church. • Stafford Springs, Conn.

1882.

- Babb, James E., B. S., LL. B., Northwest-
 ern University, Lawyer. Lewiston, Idaho.
 *Bowers, William R., B. S.
 Cones, Woods, B. S., Banker. Pierce, Neb.
 Hess, Jacob D., A. M., Lawyer. Pittsfield.
 *Keeney, James F., B. S.
 Munroe, William, B. S., Lumberman. Muskegon, Mich.
 Schermerhorn, Charles B., B. S., Vice
 President Marshall Manufacturing
 Co. 164 Lake St., Chicago.
 8—*Small, Amos W., B. S.

1883.

- Adcock, Houston C., A. B., LL. B., North-
 western University, Lawyer.
 21 Borden Block, Chicago.
 *Birch, Frank L., A. M.
 Black, Carl E., B. S., M. D., Chicago Med-
 ical College. Jacksonville.
 Browning, Quincy E., B. S. Hotel Plaza, Chicago.
 Clark, Edward E., B. S., A. M., Teacher. Mt. Sterling.
 *Hackman, Albert W., B. S.
 Holmes, Eugene D., A. M., Principal of
 Delaware Academy. Delhi, N. Y.
 McKinnell, Frederick, A. B., Bookkeeper
 and Collector. Beardstown.
 McVey, William E., B. S., M. D. Topeka, Kan.
 Slater, William H., B. S., Grain Dealer.
 220 Olive St., Kansas City, Mo.
 11—Welles, Charles H., A. B., Merchant. Divernon.

1884.

Brown, Bedford, A. M., LL. B., Columbia Univ. Law School, Lawyer. Spokane, Wash.

*Dikis, Hugh F., B. S.

Dunaway, Allen G., B. S., M. D. Virginia.

Gardner, William, A. M., Lawyer.

5450 Girard Ave., Minneapolis, Minn.

Hand, William H., B. S., M. D.* Whitehall.

Irving, Edward P., B. S., Sec'y and Treas.

of Faries M'f'g Co. Decatur.

Lacey, Lyman, Jr., B. S. Havana.

McLaughlin, William K., A. M., M. D.,

Physical Examiner Illinois College. Jacksonville.

*Price, George W., B. S.

*Stevens, Arthur L., A. B.

11-*Stevenson, Frank M., B. S.

1885.

Atkins, Herbert F., A. M., LL. B., Harvard Univ. Law School, Lawyer. Jacksonville.

*Beggs, John T., B. S.

Bond, Sterling P., B. S., Lawyer.

509 Olive St., St. Louis, Mo.

Burrus, George M., B. S., Farmer and Merchant. Bluffs.

Capps, Alfred T., A. B., Manufacturer. Jacksonville.

Carriel, Harry B., B. S., M. D., Physician Central Hospital for Insane. Jacksonville.

Carter, Truman P., A. M., Professor of Natural Science in Illinois College. Jacksonville.

Dalbey, James W., B. S., M. D., College Physicians and Surgeons N. Y. Cedar Rapids, Ia.

Davenport, Ira W., A. M., Yale Univ., Instructor in English in the Manual Training High School. 1330 2d St., Louisville, Ky.

Humphrey, William D., A. M., M. D., Chicago Medical College. Virginia.

Rice, John C., A. M., LL. B., Cornell University, Lawyer. Caldwell, Idaho.

12—Rockwell, George D., A. B. 205 S. 9th St., Brooklyn, N. Y.

1886.

- Baldwin, Charles O., A. B., Lawyer. Duluth, Minn.
 Fallis, Montana S., B. S., Constructing
 Engineer for the Guggenheim
 Smelting Co. 24 S. Logan Ave., Denver, Col.
 Galbraith, Rush D., A. B. Denver, Col.
 *Irving, Francis M., B. S.
 Lewis, William N., B. S., Manufacturer. Abingdon.
 Nisbet, Thomas W., B. S., Farmer. Virginia.
 Rider, Rev. Arthur W., A. B., Traveling
 Secretary for Pacific Coast of Am.
 Baptist Missionary Union. Oakland, Cal.
 *Smith, Elisha B., B. S.
 Strawn, Ferdinand L., B. S., Farmer. Jacksonville.
 10—Wall, Willard, B. S., Cashier First Nat'l
 Bank and Murphysboro Savings
 Bank. Murphysboro.

1887.

- Capps, Edward, A. B., Ph. D., Yale Uni-
 versity, Professor of Greek in Univ.
 of Chicago. 5717 Madison Ave., Chicago.
 Coultas, Rufus J., B. S., M. D., Bellevue
 Hospital Medical College. Mattoon.
 Dunavan, Louis W., B. S., M. D.
 4259 State St., Chicago.
 *Hall, John R., B. S.
 Smith, Rev. Thomas W., A. M., Pastor
 Lenox Presbyterian Church.
 471 W. 145th St., New York City.
 Wilson, Hugh M., B. S., Journalist.
 1660 Monadnock Block, Chicago.
 7—Whitely, Robert H. K., B. S., Managing
 Editor Detroit Tribune. Detroit, Mich.

1888.

- Catlin, Donald C., A. M., Lawyer.
 910 Calumet B'ld'g, Chicago.
 Cochrane, Robert L., B. S., Lumber
 Dealer. West Duluth, Minn.

Cross, Albert M., A. B., Lawyer.

1608, 100 Washington St., Chicago.

Day, Alfred E., A. M., Professor in Beirut

College. Beirut, Syria.

Frackelton, Robert J., B. S., Sec'y and

Treas'r of Chandler-Price M'f'g Co.

77 Tilden Ave., Cleveland, O.

Harker, Rev. Joseph R., A. M., Ph. D.,

Pres't Illinois Woman's College. Jacksonville.

Kehoe, John E., B. S., Lawyer; Assistant

City Attorney. 506 The Temple, Chicago.

McElfresh, William E., A. M., Student.

106 Craigie Hall, Cambridge, Mass.

Merrill, George L., B. S., Lawyer.

Jacksonville.

Read, Frank, Jr., A. M., Teacher and Ed-

itor. Jacksonville.

*Richardson, Thomas D., B. S.

Russel, Rev. James G., A. B.

Aurora, Neb.

Tanner, Rev. Allan A., A. M.

Waterloo, Iowa.

Watkins, George B., B. S., Lawyer.

Petersburg.

15—Wilson, George H., A. M., Lawyer, State's

Attorney for Adams County. Quincy.

1889.

*Beadles, Walter S., A. B.

Brown, George R., Grain Dealer and
Banker.

Divernon.

Craig, Andrew M., B. S., Instructor in

Physics and Biology in Hastings
College.

Hastings, Neb.

Drury, Frank E., Farmer.

Orleans.

Filson, William N., B. S., A. B., Vice

Pres't and Professor of Latin in
Hastings College.

Hastings, Neb.

Rowe, Charles A., A. B., Farmer.

Jacksonville.

Sanders, Clarence E., A. B., LL. B., Har-

vard Univ. Law School, Lawyer.

608 Prospect St., Cleveland, O.

-
- Smith, James D., B. S., Manager Springfield Branch McCormick Harvesting Machine Co. Springfield.
- Triplett, Norman, A. M., Teacher of Psychology and Pedagogy. Worcester, Mass.
- Walker, John A., A. M., M. D. Winston, Mont.
- 11—Woods, Raymond, B. S., R. R. Postal Clerk. 973 Hague Ave., St. Paul, Minn. 1890.
- Baldwin, Albert, A. B., Lawyer. Duluth, Minn.
- Blackburn, Charles E., B. S., Farmer. Jacksonville.
- Capps, Henry M., A. B., Manufacturer. Jacksonville.
- Cohenour, Elmer L., B. S. 66 Clark St., Denver, Col.
- DeSilva, Joseph, Jr., A. M., M. D. Rock Island.
- Morton, Edward P., A. M. Harvard University, Assistant Professor English Indiana University. Bloomington, Ind.
- Rawlings, Isaac D., B. S., M. S., M. D. 1114, 100 State St., Chicago.
- Sanford, Frederick W., A. B., Professor of Latin in Illinois College. Jacksonville.
- 9—Skinner, Lucius D., B. S., Bank Clerk. DuQuoin. 1891.
- Boston, William E., B. S. Jacksonville.
- Capps, Joseph A., A. B., A. M. and M. D., Harvard University. 100 State St., Chicago.
- Conover, William B., B. S. Virginia.
- Curtiss, Theodore T., A. B., Farmer. Waverly.
- Hess, Luther C., A. B., Lawyer. Pittsfield.
- Keplinger, Maurice B., B. S., Banker. Franklin.
- Lenington, Robert F., A. B., Missionary. Florianopolis, Brazil.
- Mathews, Benjamin C., B. S. 270 E. 16th St., Portland, Ore.
- Miller, James W., B. S., Publisher. Jacksonville.
- Pike, Edward S., B. S., Editor and Publisher. Chenoa.
- Putnam, Edward K., A. M., Journalist, Student in Harvard University. Davenport, Iowa.

- Stewart, Samuel B., B. S., City Clerk. Jacksonville.
 Stoddard, Bertel M., B. S., Grain Dealer. Toluca.
 Williams, A. Clay, B. S., Lawyer, State's
 Attorney for Pike County. Pittsfield.
 15—Wills, John R., B. S., Contractor. Winamac, Ind.

1892.

- Bartlett, Willard, A. M., M. D.
 3894 Washington Boul'd, St. Louis, Mo.
 Black, Arthur D., B. S., Dentist.
 915, 31 Washington St., Chicago.
 *Carter, Herbert H., A. B., M. D.
 Craig, D. Willard, B. S., M. D.
 93 Sigel St., Chicago.
 Epler, Rev. Percy H., A. B.
 799 Broadway, South Boston, Mass.
 Gillett, Philip F., A. B., M. D. Rockford.
 Kirby, Clement R., A. B., Student. Jacksonville.
 Lenington, Rev. George C., A. B. Wellington.
 Loving, Arthur S., B. S., Lawyer. Sutton, Neb.
 10—Robinson, William D., A. M., Journalist. New York City.

1893.

- Beggs, Rev. Samuel W., A. M. Evanston.
 Martin, Murrey K., A. B., Teacher. Bloomington, Ind.
 Read, Utten E., A. M., Teacher in Indi-
 ana Inst. for Deaf Mutes.
 1423 E. Washington St., Indianapolis, Ind.
 4—Stevenson, William H., A. B., Farmer. Jacksonville.

1894.

- Baldwin, Edwin G., A. M., Teacher of
 Latin, Urbana College. Urbana, O.
 Barber, John A., Ph. B., Lawyer. Springfield.
 Brown, Fred S., A. B., Farmer. Divernon.
 Frackelton, David W., Ph. B., Banker. Petersburg.
 Putnam, James W., A. M., Instructor in
 History and Economics in Illinois
 College. Jacksonville.
 6—Wemple, Charles F., B. S., Student North-
 western University Law School. Waverly.

1895.

- Buckthorpe, Thomas H., Ph. B. Jacksonville.
 Doane, Levi S., B. S., Fellow in Natural
 Science in Illinois College. Jacksonville.
 Duer, James M., B. S., Student Princeton
 Theological Seminary. Jacksonville.
 Garrett, Willard H., B. S., Instructor in
 Mathematics in Illinois College. Jacksonville.
 Govert, George W., A. B., also A. B. Yale,
 LL. B., Univ. of Mich., Lawyer. Quincy.
 Nash, Rev. Eo B., A. B.

1064 E. Jersey St., Elizabeth, N. J.

- Ransdell, William L., Ph. B., Farmer. Jacksonville.
 Simons, Rev. Thomas J., A. B. Sandy Lake, Pa.
 9—Walton, Joseph W., A. B., City Editor
 Journal. Jacksonville.

1896.

- Asplund, Rupert F., A. B., Assistant in
 Whipple Academy. Jacksonville.
 Bancroft, Horace H., A. B., Law Stu-
 dent. Jacksonville.
 Baxter, George E., Ph. B., M. D.
 St. Luke's Hospital, Chicago.
 Clifford, James E., Ph. B., Law Student. Virginia.
 DeMary, Albin C., Ph. B., Clerk in U. S.
 Assay Office. Boise, Idaho.
 Fairbank, Arthur B., Ph. B., Teacher in
 Illinois Inst. for Deaf Mutes. Jacksonville.
 Kuechler, Henry N., B. S., Student. Palo Alto, Cal.
 Moore, Homer F., A. B., M. D.

27-28 Masonic Temple, Denver, Col.

- Rourke, Cornelius B., B. S., Reporter Chi-
 cago News. Chicago.
 10—Scott, Harry F., A. M., Teacher of Latin,
 High School. 808 N. Delaware St., Indianapolis, Ind.

1897.

- Baxter, Samuel W., Ph. B., Law Student. Jacksonville.
 Bradley, John A., A. B., Lawyer.

763 Broad St., Newark, N. J.

- Carter, J. G., Ph. B., Law Student. Jacksonville.
 Cartlich, Will G., B. S., Assistant Secretary Y. M. C. A. Evanston.
 Fairbank, Frederick J., A. M., Teacher of Latin, High School. Jacksonville.
 Fell, Ora T., B. S., Assistant City Editor Journal. Jacksonville.
 Harris, Neville E., Ph. B., Medical Student. Jacksonville.
 Kirby, Harry N., Ph. B., Bank Clerk. Jacksonville.
 Kirby, Henry W., A. B., Concert Baritone. Jacksonville.
 Masters, Leonard L., B. S., Farmer. Jacksonville.
 McBratney, Emmett W., Ph. B., Medical Student. 2828 Pine St., St. Louis, Mo.
 McIlvaine, Brown E., B. S., Law Student. Tuscola.
 Milligan, Laurance E., A. B., Teacher. Kendall Green, Washington, D. C.
 Read, Elmer D., A. B., Student in Theological Seminary. Chicago.
 15—Vogel, Earl, B. S., Law Student in Drake University. Des Moines, Ia.

1898.

- Boston, Charles O., B. S., Photographer. Jacksonville.
 Cohenour, Vincent J., Ph. B., Medical Student in Northwestern University. 90, 23d St., Chicago.
 Cowdin, Earl G., B. S., Traveling Salesman. Jacksonville.
 Darling, Byron C., A. B., Student in Harvard University Medical School. Hotel Berkeley, Boston, Mass.
 Doane, William E., B. S., Farmer. Granada, Col.
 Dobyns, John S., B. S., Clerk C., P. & St. L. R. R. Jacksonville.
 Frampton, Mendal G., A. M., Graduate Student in Harvard University. 7 Ashton Pl., Cambridge, Mass.

- Grassly, Michel H., B. S., with the Pullman Co. 162 E. 30th St., Chicago.
- Lathrop, James C., A. B., Real Estate, with E. W. Zander & Co. 153-5 La Salle St., Chicago.
- Moore, William W., A. B., Law Student. Jacksonville.
- Palmer, Willard H., A. B. 2921 N. Ashland Ave., Chicago.
- Philbrook, Fred O., A. B., Manager New Method Laundry. Jacksonville.
- Read, Charles E., A. B., Instructor in Brown's Business College. Jacksonville.
- Sampson, W. Edgar, B. S., Law Student. Tice.
- Schroeder, Louis H., A. B., Law Student in University of Michigan. Quincy.
- Tanner, Frederick C., A. B., Law Student. 18 Wall St., New York City.
- 17—Wemple, William L., B. S., Banker. Waverly.

1899.

- Blackburn, William R., A. B., Farmer. Jacksonville.
- Capps, Herbert J., Ph. B. Jacksonville.
- Capps, Percy G., B. S. Jacksonville.
- Carriel, Howard T., B. S., Medical Student in Northwestern Univ. Jacksonville.
- Crissman, Ralph M., B. S., Pastor Pisgah Presbyterian Church, Orleans. Chicago.
- Duckles, Myron E., B. S., Teacher in Public Schools. Jacksonville.
- Dunbaugh, Harry J., A. B., Fellow in English in Illinois College. Jacksonville.
- Engelbach, William, B. S., Medical Student in Northwestern Univ. Arenzville.
- Fell, Egbert W., B. S., Medical Student. Jacksonville.
- Forbes, Charles C., B. S., Traveling Salesman. 723 Howard Ave., New Orleans, La.
- Guy, William E., Ph. B., Teacher in Kittrell College. Kittrell, N. C.
- Hall, Horace C., B. S. Chesterfield.
- Kennedy, Robert C., B. S. Jacksonville.

Parker, George W. C., Ph. B., Medical	
Student in Northwestern Univ.	Mt. Sterling.
Rankin, Albert H., Ph. B., Bank Clerk.	Jacksonville.
Russell, Charles B., B. S., Medical Stu-	
dent.	Stockbridge, Mass.
Thornton, Jesse B., A. B., Clergyman M.	
E. Church.	Greenfield.
Wheeler, Frank R., B. S.	Auburn.
19—White, John T., B. S., Instructor in Berea	
College.	Berea, Ky.

CANDIDATES FOR GRADUATION, 1900.

Ayers, Allan F., A. B.	Jacksonville.
Balch, Charles A., B. S.	Jacksonville.
Bayne, John J., A. B.	Mendon.
Burr, William B., Ph. B.	Jacksonville.
Cole, Edward C., Ph. B.	Jacksonville.
Dirreen, George, Ph. B.	Virginia.
Duncan, William P., B. S.	Jacksonville.
Fairbank, Arthur D., B. S.	Jacksonville.
Fulton, Edward H., B. S.	Jacksonville.
Hewitt, Oscar E., A. B.	Chesterfield.
Kearns, John, A. B.	Jacksonville.
Kirby, Benjamin, A. B.	Tallula.
McDonald, Alexander A., A. B.	Jacksonville.
McNeil, Archibald L., B. S.	Berlin.
Miller, Oscar, B. S.	Loami.
Nelson, Eugene G., A. B.	Walker, Mo.
Nelson, Victor W., Ph. B.	Chicago.
Newcomer, Nathan B., Ph. B.	Petersburg.
Saegesser, Louis S., B. S.	Nashville.
20—Walker, William D., B. S.	Jacksonville.

HONORARY DEGREES.

1835.

*Benjamin Shurtleff, A. M.,
Brown University, M. D.
Nathaniel Bradstreet Shurtleff,
A. M., Harvard and Brown
Universities, M. D.

1839.

*Horace Spaulding, A. M.

1845.

J. N. Ralston, M. D.
J. B. Samuel, M. D.
Horace Ackley, M. D.

1846.

M. H. L. Schooley, M. D.

1847.

*Gershom Jayne, M. D.
John Loomis, A. B., Hamilton
College, A. M.

1853.

James J. Delamater, M. D., New
York Med. Col., A. M.

1859.

N. A. Prentice, A. B., Amherst
College, A. M.

1864.

Enoch Mellor, A. M., D. D.
John W. Dryden, A. B., St. Paul
College, Mo., A. M.
William D. Perrin, A. B., St.
Paul College, Mo., A. M.
James M. McMasters, A. B., St.
Paul College, Mo., A. M.
Joseph Anderson, A. B., St. Paul
College, Mo., A. M.

1866.

William Smythe, Prof. in Bow-
doin College, LL. D.
Robert Allen, A. M.
*William Dod, A. M., LL. D.

1867.

Josiah Wood, Prin. Du Quoin
Female Seminary, A. M.
*William M. Baker, A. M.
John D. Parker, Prof. in Lincoln
College, Kan., Ph. D.

1869.

*Andrew McFarland, M. D., LL. D.

1872.

*Samuel L. Whipple, M. D., A. M.

1873.

Horatio Q. Butterfield, Pres. Oli-
vet College, D. D.
Thomas Aiton, M. D.

1877.

*Nehemiah Wright, M. D., A. M.
*Mason Grosvenor, A. M., Yale,
D. D.
Martin K. Whittlesey, A. M.,
Yale, D. D.

1880.

Alvah C. Clayton, A. M.
William H. Wilcox, A. M.

1881.

Charles M. Fenn, M. D., A. M.

1882.

Frank P. Woodbury, D. D.
*Rufus Nutting, A. M., D. D.
*Rufus C. Crampton, A. M., LL. D.

1883.

Charles L. Woodworth, D. D.
Theodore T. Munger, D. D.
Edward F. Williams, D. D.
J. Morris Cross, D. D.

1885.

Clement L. Clapp, A. M.
Thomas C. MacMillan, A. M.

1886.

Rev. Alfred N. Gilbert, A. M.
Dr. Alfred C. Colton, A. M.

*Lieut. Nathan H. Barnes, Ph. D.

1888.

Rev. R. O. Post, D. D.
Rev. S. H. Dana, D. D.
Rev. James Tompkins, D. D.
Rev. G. C. Adams, D. D.

1889.

Major J. W. Powell, LL. D.

1890.

Rev. Theodore P. Pruden, D. D.
Rev. Nathan L. Whittlesey, D. D.
Hon. William M. Springer,
LL. D.
Hon. Shelby M. Cullom, LL. D.

1891.

Rev. Edwin A. Adams, D. D.
Rev. Frederick S. Hayden, D. D.
Rev. D. Schley Schaff, D. D.
Rev. A. B. Morey, D. D.

1892.

Dr. Greene V. Black, D. Sc.
John C. Sanders, LL. D.
Charles D. Dazey, A. M.

1894.

Charles F. Thwing, Pres. West-
ern Reserve Univ., LL. D.
William Henry Milburn, D. D.
Joseph N. Carter, LL. D.

1895.

John B. Fairbank, D. D.
Theodore N. Morrison, D. D.
A. L. E. Crouter, LL. D.

1896.

Samuel B. Moore, D. D.
Alex. Graham Bell, LL. D.
James W. Strong, Pres. Carleton
College, LL. D.

1897.

Rev. Wilbur C. Miller, D. D.
Rev. Graham Taylor, LL. D.
Rev. John F. Davies, D. D.

1898.

Geo. A. Sanders, LL. D.
Eliphalet W. Blatchford, LL. D.
Rev. Samuel C. Edsall, D. D.

MEDICAL GRADUATES.

1845.

*Augustus F. Hand, M. D.

*Daniel Pierson, M. D.

N. M. Hunt, M. D.

*G. Y. Shirley, M. D.

Charles Terrell, M. D.

—5

1846.

*Peter R. Boice, M. D.

*James Budden, M. D.

Warren H. Chapman, M. D.

*C. C. Emerick, M. D.

N. B. Hooker, M. D.

A. B. Ireland, M. D.

H. K. Jones, M. D.

Henry Owsley, M. D.

J. F. Rice, M. D.

Clark Roberts, M. D.

Jerome B. Tenney, M. D.

Russell B. Tripp, M. D.

Henry Wing, M. D.

—13

1847.

James M. Buck, M. D.

Frederick R. Gallaher, M. D.

E. P. January, M. D.

John S. King, M. D.

David H. McCord, M. D.

Abraham Miller, M. D.

George M. Scott, M. D.

Mahlon P. Turner, M. D.

*Hamlin Welch, M. D.

James S. Whitmire, M. D.

*J. H. Kibbe, M. D.

—11

1848.

Peter L. Bostick, M. D.

Isaac V. Goltra, M. D.

Richard Hains, M. D.

Nathaniel Jayne, M. D.

*Henry C. Long, M. D.

James McCord, M. D.

John N. McCord, M. D.

Samuel H. Willard, M. D.

—8

Number of Alumni.....590

Number of Medical Graduates.....37

Number Receiving Honorary Degrees.....70

Whole number upon whom degrees have been conferred 697

ALPHABETICAL LIST OF ALUMNI.

1835-1899.

- | | | | |
|------|-----------------|------|-------------------|
| 1860 | Adams, F. | 1843 | Beecher, T. K. |
| 1883 | Adcock, H. C. | 1881 | Beekman, W. H. |
| 1879 | Antle, T. P. | 1885 | Beggs, J. T. |
| 1858 | Arderly, H. W. | 1868 | Beggs, R. H. |
| 1896 | Asplund, R. F. | 1893 | Beggs, S. W. |
| 1885 | Atkins, H. F. | 1856 | Bergen, A. S. |
| 1864 | Atkinson, W. H. | 1862 | Bergen, G. S. |
| 1847 | Ayers, A. E. | 1861 | Berry, M. |
| 1877 | Ayers, E. A. | 1883 | Birch, F. L. |
| 1869 | Ayers, J. A. | 1854 | Bishop, R. H. |
| 1858 | Ayers, J. C. | 1847 | Bishop, W. |
| 1843 | Ayers, M. P. | 1892 | Black, A. D. |
| | | 1883 | Black, C. E. |
| 1882 | Babb, J. E. | 1890 | Blackburn, C. E. |
| 1869 | Bailey, G. W. | 1899 | Blackburn, W. R. |
| 1843 | Baker, E. S. | 1845 | Blatchford, E. W. |
| 1870 | Baker, F. M. | 1876 | Block, E. D. |
| 1890 | Baldwin, A. | 1853 | Blodgett, J. H. |
| 1886 | Baldwin, C. O. | 1837 | Blood, C. E. |
| 1894 | Baldwin, E. G. | 1885 | Bond, S. P. |
| 1846 | Baldwin, F. E. | 1860 | Booth, T. |
| 1860 | Ballard, J. A. | 1898 | Boston, C. O. |
| 1896 | Bancroft, H. H. | 1891 | Boston, W. E. |
| 1868 | Barber, E. A. | 1882 | Bowers, W. R. |
| 1868 | Barber, G. C. | 1897 | Bradley, J. A. |
| 1894 | Barber, J. A. | 1842 | Bradley, W. P. |
| 1876 | Barnes, C. A. | 1857 | Branson, N. W. |
| 1892 | Bartlett, W. | 1865 | Brenholt, J. J. |
| 1836 | Barton, C. B. | 1859 | Bristow, E. H. |
| 1843 | Bateman, N. | 1866 | Bristow, F. L. |
| 1856 | Bates, R. | 1870 | Brown, A. C. |
| 1896 | Baxter, G. E. | 1884 | Brown, B. |
| 1897 | Baxter, S. W. | 1867 | Brown, B. W. |
| 1889 | Beadles, W. S. | 1871 | Brown, C. G. |

1860	Brown, C. S.	1852	Chambers, R. R.
1855	Brown, D. J.	1839	Chandler, J.
1874	Brown, F. A.	1841	Chapman, J. H.
1894	Brown, F. S.	1880	Cherryholmes, J. C.
1889	Brown, G. R.	1875	Clapp, E. B.
1864	Brown, J. A.	1880	Clapp, E. L.
1861	Brown, J. W.	1883	Clark, E. E.
1874	Brown, S. S.	1847	Clark, J. G.
1881	Brown, W. B.	1896	Clifford, J. E.
1883	Browning, Q. E.	1888	Cochrane, R. L.
1881	Bryan, W. J.	1841	Coffin, W.
1871	Bryson, O. C.	1890	Cohenour, E. L.
1895	Buckthorpe, T. H.	1898	Cohenour, V. J.
1860	Bulkley, R. H.	1880	Collier, J.
1838	Burritt, W. H.	1845	Collins, H. T.
1885	Burrus, G. M.	1850	Collins, W. H.
1855	Burt, J. S.	1858	Comer, S. C.
1880	Butler, E. W.	1882	Cones, W.
		1878	Connell, C. H.
1859	Callon, W. P.	1876	Connell, J. B.
1867	Campbell, E. L.	1891	Conover, W. B.
1885	Capps, A. T.	1887	Coultas, R. J.
1887	Capps, E.	1898	Cowdin, E. G.
1899	Capps, H. J.	1889	Craig, A. M.
1890	Capps, H. M.	1848	Craig, D.
1891	Capps, J. A.	1892	Craig, D. W.
1899	Capps, P. G.	1861	Craig, J. W.
1857	Capps, S. R.	1881	Crampton, E. H.
1862	Capps, W. E.	1848	Crawford, L. P.
1838	Carlin, W. H.	1849	Crawford, P. W.
1885	Carriel, H. B.	1899	Crissman, R. M.
1899	Carriel, H. T.	1880	Crocker, G. L.
1892	Carter, H. H.	1888	Cross, A. M.
1897	Carter, J. G.	1879	Curtiss, C. F.
1866	Carter, J. N.	1839	Curtiss, G. C.
1885	Carter, T. P.	1891	Curtiss, T. T.
1845	Carter, W. C.	1838	Curtiss, W. S.
1880	Carter, W. W.	1864	Cutler, W. A.
1897	Cartlich, W. G.		
1861	Cassell, H. O.	1885	Dalbey, J. W.
1866	Cassell, M. H.	1898	Darling, B. C.
1888	Catlin, D. C.	1885	Davenport, I. W.
1845	Catlin, W. E.	1888	Day, A. E.

1874	Day, H. P.	1851	English, J. W.
1859	Dayton, E.	1860	English, W. L.
1896	DeMary, A. C.	1859	Eno, E. B.
1890	DeSilva, J.	1856	Eno, F. V.
1879	Dennis, T. F.	1847	Epler, C.
1854	Denny, A. N.	1876	Epler, C. E.
1864	Dickinson, F. W.	1880	Epler, E. G.
1884	Dikis, H. F.	1858	Epler, J. M.
1836	Dixon, A. M.	1861	Epler, M. L.
1852	Dixon, J. J.	1892	Epler, P. H.
1849	Doane, E. T.	1858	Epler, W. F.
1895	Doane, L. S.	1842	Estabrook, A. W.
1898	Doane, W. E.	1859	Estabrook, H. N.
1898	Dobyns, J. S.	1881	Eveland, S.
1876	Dodsworth, W. T.		
1881	Donahue, J.	1842	Fagg, T. J. C.
1871	Doocy, E.	1896	Fairbank, A. B.
1865	Douglas, T. O.	1897	Fairbank, F. J.
1879	Downing, J. F.	1857	Fairbank, J. B.
1879	Downing, J. M.	1842	Fairbank, S. B.
1858	Draper, D. M.	1886	Fallis, M. S.
1881	Drennan, J. P.	1868	Fayerweather, W. F.
1889	Drury, F. E.	1899	Fell, E. W.
1899	Duckles, M. E.	1897	Fell, O. T.
1895	Duer, J. M.	1858	Ferguson, W. C.
1876	Dummer, C. H.	1889	Filson, W. N.
1887	Dunavan, L. W.	1855	Finley, W. H.
1884	Dunaway, A. G.	1881	Fisher, W. E.
1899	Dunbaugh, H. J.	1853	Fisk, E. C.
1851	Dunham, C. L.	1899	Forbes, C. C.
1841	Dunham, L.	1866	Foster, W. H.
1867	Dunn, E.	1894	Frackelton, D. W.
		1888	Frackelton, R. J.
1859	Eaman, J. M.	1898	Frampton, M. G.
1860	Edgar, W. H.	1861	Fry, J. D.
1868	Elliott, F.		
1877	Elliott, H.	1886	Galbraith, R. D.
1872	Ellison, A. J.	1862	Gallaher, W. G.
1849	Engelbach, H.	1884	Gardner, W.
1899	Engelbach, W.	1862	Garliek, J. P.
1861	English, G. A.	1895	Garrett, W. H.
1857	English, G. H.	1859	Gaty, S. T.
1848	English, J. W.	1856	Geyer, E. T.

1857	Gibbs, W. H.	1867	Holmes, J. M.
1847	Giddings, F. S.	1840	Holmes, W.
1859	Gill, W.	1844	Howell, J. S.
1892	Gillett, P. F.	1881	Hulett, G. A.
1851	Gladney, C.	1885	Humphrey, W. D.
1880	Goodin, H. E.		
1854	Gore, J.	1847	Ireland, H. P.
1839	Goudy, C.	1845	Ireland W.
1839	Goudy, R.	1884	Irving, E. P.
1845	Goudy, W. C.	1886	Irving, F. M.
1895	Govert, G. W.		
1867	Govert, W. H.	1847	Jayne, W.
1898	Grassly, M. H.	1879	Johnston, H. W.
1839	Graves, J. S.	1873	Johnson, W. M.
1880	Green, E. N.	1854	Jones, C. G.
1866	Green, O. S.	1845	Jones, E. S.
1870	Grimes, J. M.	1867	Jones, F. A.
1876	Grout, J. M.	1844	Jones, H. K.
1899	Guy, W. E.	1840	Jones, W.
		1859	Jones, W. W.
1883	Hackman, A. W.		
1861	Halbert, R. A.	1880	Kaime, E. F.
1838	Hall, E. E.	1882	Keeney, J. F.
1899	Hall, H. C.	1899	Kennedy, R. C.
1887	Hall, J. R.	1888	Kehoe, J. E.
1860	Hamilton, E. B.	1872	Kellogg, F. E.
1865	Hamilton, E. B.	1873	Kellogg, F. L.
1861	Hamilton, S. S.	1876	Kellogg, W. R.
1858	Hanback, J. E.	1839	Kendall, R. S.
1884	Hand, W. H.	1840	Kenworthy, T. C.
1854	Happy, W. W.	1861	Keplinger, H. G.
1888	Harker, J. R.	1891	Keplinger, M. B.
1846	Harlan, G. W.	1857	Kerr, C. D.
1849	Harrington, A. L.	1854	Keyes, C. A.
1897	Harris, N. E.	1865	King, D.
1844	Henry, J. H.	1865	King, J. R. H.
1882	Hess, J. D.	1870	King, W. M.
1891	Hess, L. C.	1881	Kinnett, O. F.
1840	Hicks, M.	1892	Kirby, C. R.
1838	Hitchcock, A. B.	1854	Kirby, E. P.
1862	Hitchcock, N. S.	1897	Kirby, H. N.
1879	Hockenhull, R. M.	1897	Kirby, H. W.
1883	Holmes, E. D.		

1852	Knox, W.	1881	McKinney, S. J.
1896	Kuechler, H. N.	1857	McLaughlin, J.
		1884	McLaughlin, W. K.
1855	Lacey, L.	1883	McVey, W. E.
1884	Lacey, L.	1838	Mears, R.
1861	Lansden, J. M.	1868	Meek, J. A.
1898	Lathrop, J. C.	1888	Merrill G. L.
1854	Laurie, I.	1853	Merrill, S. A.
1838	Laurie, T.	1843	Merritt, W. C.
1892	Lenington, G. C.	1865	Metcalf, H. B.
1891	Lenington, R. F.	1845	Milburn, W. H.
1845	Lewis, B.	1868	Miller, G. W.
1886	Lewis, W. N.	1858	Miller, J. W.
1848	Lippincott, C. E.	1891	Miller, J. W.
1872	Lippincott, J. P.	1897	Milligan, L. E.
1861	Littell, S. B.	1873	Montgomery, A. S.
1892	Loving, A. S.	1868	Moore, E.
1842	Low, J. D.	1858	Moore, J. A.
1842	Lýman, A. S.	1856	Moore, G. W.
1845	Lyons, H. M.	1896	Moore, H. F.
		1898	Moore, W. W.
1854	Marsh, H. L.	1881	Morris, J. B.
1862	Martin, J. C.	1856	Morris, J. C.
1893	Martin, M. K.	1878	Morrison, C. R.
1867	Mason, E.	1867	Morrison, J. G.
1866	Masters, J. D.	1871	Morrison, T. A.
1897	Masters, L. L.	1870	Morrison, T. N.
1864	Masters, W. T.	1877	Morrison, W. A.
1855	Mathews, A. C.	1876	Morrison, W. W.
1891	Mathews, B. C.	1878	Morse, C. L.
1897	McBratney, E. W.	1836	Morse, J. K.
1868	McCann, F. M.	1890	Morton, E. P.
1869	McClintock, J. H.	1843	Morton, J. T.
1864	McClung, J. S.	1880	Moseley, T. F.
1859	McConnel, E.	1879	Moulton, H. A.
1856	McCord, R. L.	1856	Moulton, J. T.
1858	McCowen, J.	1868	Munroe, J. E.
1871	McDonald, E. L.	1882	Munroe, W.
1871	McDonald, F. A.		
1873	McDonald, F. I.	1854	Nash, D. B.
1888	McElfresh, W. E.	1895	Nash, E. B.
1897	McIlvaine, B. E.	1838	Nelson, D. D.
1883	McKinnell, F.	1840	Nelson, H. A.

1862	Newman, J. B.	1893	Read, U. E.
1868	Nichols, S. W.	1859	Reed, A.
1886	Nisbet, T. W.	1859	Reed, L. C.
1855	Noyes, G. C.	1867	Reynolds, T.
1879	Nusbaum, C.	1874	Rice, A. C.
1856	Nutting, W. J.	1885	Rice, J. C.
		1879	Rice, W. P.
1862	Oliver, W. C.	1875	Rice, W. S.
		1888	Richardson, T. D.
1878	Palmer, E. B.	1886	Rider, A. W.
1898	Palmer, W. H.	1854	Ridgely, C.
1899	Parker, G. W. C.	1859	Roberts, G. L.
1864	Parker, M. V. B.	1854	Roberts, J. G.
1837	Patterson, R. W.	1869	Robertson, J. T.
1862	Patton, M.	1892	Robinson, W. D.
1868	Paxson, A. A.	1885	Rockwell, G. D.
1840	Pearson, R. M.	1874	Root, C. A.
1838	Perry, R.	1873	Ross, G. C.
1858	Philbrick, C. H.	1862	Ross, J. W.
1898	Philbrook, F. O.	1896	Rourke, C. B.
1844	Phillips, P. L.	1858	Rouse, G. W.
1848	Pierson, G.	1889	Rowe, C. A.
1891	Pike, E. S.	1850	Ruggles, E.
1862	Pitner, T. J.	1851	Ruggles, S.
1872	Pomeroy, S. F.	1888	Russel, J. G.
1839	Porter, J. N.	1899	Russell, C. B.
1861	Post, H. M.	1871	Russell, R. D.
1857	Potts, W. M.	1881	Rutledge, C. G.
1884	Price, G. W.	1875	Rutledge, J. O.
1874	Prince, A. E.		
1852	Prince, E.	1898	Sampson, W. E.
1891	Putnam, E. K.	1889	Sanders, C. E.
1894	Putnam, J. W.	1879	Sanders, C. S.
1840	Pyle, G.	1879	Sanders, J. K.
		1873	Sanders, W. B.
1899	Rankin, A. H.	1890	Sanford, F. W.
1879	Rannells, C. S.	1861	Saunderson, M.
1895	Ransdell, W. L.	1882	Schermerhorn, C. B.
1890	Rawlings, I. D.	1898	Schroeder, L. H.
1898	Read, C. E.	1837	Scofield, E.
1897	Read, E. D.	1896	Scott, H. F.
1888	Read, F.	1853	Selby, P.
		1856	Sewall, W. W.

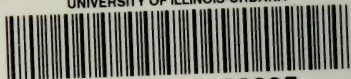
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|------------------------|-----------------------|
| 1857 Shaw, J. | 1857 Symonds, E. K. |
| 1846 Shaw, J. B. | |
| 1880 Shaw, W. B. | 1888 Tanner, A. A. |
| 1872 Simms, J. R. | 1857 Tanner, E. A. |
| 1880 Simons, H. C. | 1898 Tanner, F. C. |
| 1895 Simons, T. J. | 1866 Taylor, F. A. |
| 1839 Simpson, C. D. | 1843 Thayer, C. F. |
| 1890 Skinner, L. D. | 1849 Thayer, G. H. |
| 1883 Slater, W. H. | 1880 Thome, A. G. |
| 1882 Small, A. W. | 1862 Thompson, D. W. |
| 1860 Smith, D. B. | 1899 Thornton, J. B. |
| 1886 Smith, E. B. | 1844 Tillson, C. H. |
| 1878 Smith, F. E. | 1859 Tindall, D. W. |
| 1860 Smith, J. A. | 1877 Todd, D. E. |
| 1856 Smith, J. D. | 1889 Triplett, N. |
| 1889 Smith, J. D. | 1852 Tunnell, R. M. |
| 1856 Smith, J. P. | 1865 Turner, C. A. |
| 1852 Smith, T. W. | 1840 Turner, E. B. |
| 1887 Smith, T. W. | 1876 Turner, F. C. |
| 1869 Spears, J. H. | 1870 Turner, H. A. |
| 1841 Spencer, J. | 1860 Turner, J. B. |
| 1835 Spilman, J. E. | 1857 Turner, R. K. |
| 1843 Starr, W. H. | 1860 Turner, W. H. |
| 1884 Stevens, A. L. | |
| 1870 Stevens, J. S. | 1855 Van Eaton, F. H. |
| 1884 Stevenson, F. M. | 1848 Van Eaton, H. S. |
| 1893 Stevenson, W. H. | 1851 Vanstavoren, A. |
| 1881 Stewart, F. W. | 1897 Vogel, E. |
| 1873 Stewart, H. C. | |
| 1836 Stewart, J. P. | 1878 Wadsworth, H. E. |
| 1891 Stewart, S. B. | 1881 Wadsworth, J. S. |
| 1891 Stoddard, B. M. | 1880 Waite, G. G. |
| 1872 Stout, J. V. D. | 1862 Wakely, T. A. |
| 1886 Strawn, F. L. | 1889 Walker, J. A. |
| 1861 Strawn, J. E. | 1886 Wall, W. |
| 1848 Strawn, W. | 1895 Walton, J. W. |
| 1843 Strode, E. | 1873 Ward, J. R. |
| 1854 Strong, J. D. | 1845 Ward, T. |
| 1852 Stryker, H. | 1880 Ware, J. E. |
| 1870 Sturtevant, A. H. | 1888 Watkins, G. B. |
| 1854 Sturtevant, J. M. | 1883 Welles, C. H. |
| 1856 Sturtevant, J. W. | 1840 Wells, S. |
| 1853 Sydnor, A. W. | 1894 Wemple, C. F. |

1898	Wemple, W. L.	1845	Winchell, R.
1899	Wheeler, F. R.	1875	Wing, E.
1861	Whipple, N. L.	1871	Wing, E. D.
1899	White, J. T.	1844	Wing, H.
1869	White, R.	1880	Wing, H. B.
1887	Whiteley, R. H. K.	1873	Winterbottom, J.
1842	Whitney, J. D.	1859	Wolcott, R.
1847	Wilkinson, R.	1862	Wood, G. G.
1843	Willard, S.	1858	Wood, J. H.
1891	Williams, A. C.	1872	Wood, W. D.
1868	Williams, G. W.	1889	Woods, R.
1849	Williams, J. H.		
1891	Wills, J. R.	1835	Yates, R.
1888	Wilson, G. H.	1880	Yates, R.
1887	Wilson, H. M.		

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